

Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

MPsrch_nn n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Wed May 6 23:24:34 1998; MasPar time 118.86 Seconds 928.571 Million cell updates/sec

Tabular output not generated.

Title: >US-08-320-157-6

Description: Perfect Score: (1-2094) from US08320157.seg

N.A. Sequence:

Scoring table: TABLE default Gap 6

Nmatch STD : Dbase 0; Query 0

Searched: 102136 seqs, 26354296 bases ×

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

n-issued 1:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 9.226; Variance 4.729; scale 1.951

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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18 19	16	114	110 8 7 7 6 5 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Result No.
225	222	2 2 3 3 1 51 3 8	1882 93 93 45 66 45 39	Score
1.2	11.2	1111	89.9 4.4.4 4.00 22.11 11.9 11.9 11.9	% Query Match
6 8 5 8	81 81	215 215 74	1968 93 93 84 7218 45 45 39 7218	Length
14 7	14	1200	15 15 15 17 15 17 17	DB
PCT-US95-1 US-08-471-	PCT-US95-1 PCT-US95-1	US-08-238- US-08-238- PCT-US95-1	US-08-32- US-08-440- PCT-US96-0 US-08-440- PCT-US-08-440- US-08-440- US-08-440- US-08-232- US-08-232-	ID
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ALIGNMENTS

RESULT ID U US-08-321-071A-17 STANDARD; DNA; UNC; 1968 BP

Patent No. 5672686
GENERAL INFORMATION: Sequence 17, Application US/08321071A Patent No. 5672686 Sequence 17, Application US/08321071A. 01-JAN-1900 XXXXXX APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF
NUMBER OF SEQUENCES: 31

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10103
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N. COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA: CORRESPONDENCE ADDRESS: Cli. STATE: L. To: 20004 APPLICATION NUMBER: FILING DATE: 11-OCT CLASSIFICATION: 514 STREET: 1455 Peni CITY: Washington REFERENCE/DOCKET NUMBER: REGISTRATION NUMBER: ADDRESSEE: 1455 Pennsylvania Avenue, N.W. Hale and Dorr UMBER: US/08/321,071A 11-OCT-1994 32,073 104322.121CIP Version #1.25

TELECOMMUNICATION INFORMATION:

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Best Loca
Matches
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TELEFAX: 202-942-8884
INFORMATION FOR SEQ ID NO: 17
SEQUENCE CHARACTERISTICS:
LENGTH: 1968 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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ilarity 99.4%;
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RESULT ID US

US-08-440-391-15 STANDARD; DNA; UNC; 93 BP.

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ID PCT-US96-06122-15 STANDARD; DNA; UNC; 93 BP.
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Best Local S
Matches 9
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Sequence 93 BP; 22 A; 31 C; 26 G
                       01-JAN-1900
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2004
ZIP: 2004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: IBM PC compatible
TOMPUTER: IBM PC DOS/MS-DOS
TOPPEM: PC-DOS/MS-DOS
Sequence 15, Application PC/TUS9606122.
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                                                                                                                          477
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                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn Release CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/
FILING DATE: 12-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N
REGISTRATION NUMBER: 32.07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                 / Match 4.4%;
Local Similarity 100.0%;
nes 93; Conservative
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                                                                                                                                                                                          1 CAGGTGGGACGGCAGCTCGCCATCATCGGGGACGACGATCAACCGACGCTATGACTCAGAG 60
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                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
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                                                                                                                      TTCCAGACCATGTTGCAGCACCTGCAGCCCACG 509
                                                                                                                                              TTCCAGACCATGTTGCAGCACCTGCAGCCCCACG 93
                                                                                                                                                                    CAGGTGGGACGGCAGCTCGCCATCATCGGGGGACGACATCAACCGACGCTATGACTCAGAG 476
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CITY: Washington
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                                                                                                                                                                                                                                                                                                         nucleic acid
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                                                                                                                                                                                                                                                                                                                     93 base pairs
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Pred. No. 2.55e-50;
0; Mismatches 0
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Best Local Similarity 100.0%;
Matches 93; Conservative
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                                                                                                                                                                                             US-08-440-391-17 STANDARD; DNA; UNC; 84 BP
                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: Single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
Sequence 93 BP; 22 A; 31 C; 26 G; 14 T; 0 other;
                                                                      Sequence 17, Application US/08440391
Patent No. 5656725
                                                                                                          Sequence 17, Application US/08440391
                                                                                                                                 01-JAN-1900
GENERAL INFORMATION:
APPLICANT: CHITTENDEN, Thomas D.; and APPLICANT: LUTZ, Robert J.
TITLE OF INVENTION: NOVEL PEPTIDES ANI TITLE OF INVENTION: MODULATE APOPTOSI: NUMBER OF SEQUENCES: 34
                                                                                                                                                                                                                                              477
                                                                                                                                                                                                                                                                                           417 CAGGTGGGACGGCAGCTCGCCATCATCGGGGGACGACATCAACCGACGCTATGACTCAGAG 476
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                         61 TTCCAGACCATGTTGCAGCACCTGCAGCCCACG 93
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,0
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: IMMUNOGEN, INC.
TITLE OF INVENTION: WHICH MODULATE
                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS LENGTH: 93 base pairs TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
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OPERATING SYSTEM:
                                                                                                                                                                                                                                            TTCCAGACCATGTTGCAGCACCTGCAGCCCACG 509
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CITY: Washington
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1455 Pennsylvania Avenue, N.W.
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IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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            NOVEL PEPTIDES AND COMPOSITIONS WHICH MODULATE APOPTOSIS
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Pred. No. 2.
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2.55e-50;
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RESULT 5
ID PCT-US96-06122-17 STANDARD; DNA; UNC; 84 BP.
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APPLICANT: IMMUNOGEN, INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA (genomic)
Sequence 84 BP; 20 A; 26 C; 26 G; 12 T; 0 other;
                                                                                                                                                                                                                                                 Sequence 17, Application PC/TUS9606122
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INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 84 base pairs
TYPE: nucleic acid
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Local Similarity 100.0%;
hes 84; Conservative
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FILING DATE: 12-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,07
                                                                                                                                                                                                                                                                                                                                                                                                              61 CGACGCTATGACTCAGAGTTCCAG 84
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SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/06122
                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                        TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
                                                                                                                                                NUMBER OF SEQUENCES: 3
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
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1455 Pennsylvania Avenue,
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1455 Pennsylvania Avenue,
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Pred. No. 1.93e-43
0; Mismatches
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ID US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP.
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Best Local 9
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TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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Local Similarity 100.0%;
local Similarity 100.0%;
les 84; Conservative
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                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                     CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 1
                                                                                                                                                                                                                                               APPLICANT: DORNER, E. APPLICANT: SCHEIFLINGER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 84 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION: TELEPHONE: 202-942-8400
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NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,
                                                                                                                                                                                                            CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
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                                                                                                                                                                CITY: Alexandria
STATE: VA
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                                                       FILING DATE:
                                                                 APPLICATION NUMBER:
                                                                                                                                                     COUNTRY:
                                                                                                                                                                                       STREET:
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FILING DATE:
APPLICATION NUMBER:
                                                                                                                                                                                                ADDRESSEE:
                                                                                                                                            22313-0299
                                                                                                                                                                                      1800 Diagonal Road, Suite 500
                                                                                                                                                       USA
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                                                                 US/08/232,463
                      US/07/935,313
  EP 91 114 300.6
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Pred. No. 1.93e-43;
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                                                                                                                            Patent No. 5656725
GENERAL INFORMATION:
                                                                                                                                         Sequence 19, Application US/08440391 Patent No. 5656725
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                                                                                                                                                                        Sequence 19, Application US/08440391
                                                                                                                                                                                             01-JAN-1900
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TELEX: 899149
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
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CLONE: pTZgpt-F1s
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ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
                                                                                  APPLICANT: CHITTENDEN, Thomas D.; and APPLICANT: LUTZ, Robert J.
TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH TITLE OF INVENTION: MODULATE APOPTOSIS
COMPUTER READABLE FORM
                                                              NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
                                                                                                                                                                                                                                                                                             CTTAGGACTTGGTTATATCA 1718
                    CITY: Washington STATE: D.C.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
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                                                   ADDRESSEE:
            20004
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                                         E: Hale and Dorr
1455 Pennsylvania Avenue, N.W
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Pred. No. 5.86e-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA (genomic)
Sequence 45 BP; 10 A; 15 C; 15 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                 Sequence 19, Application PC/TUS9606122
                                                                                                                                                                                                                                                                                                                                                         01-JAN-1900
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        420
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         y Match 2.1%;
Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: 10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,
        CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,
REFERENCE/DOCKET NUMBER:
                                                                                                                          SOFTWARE: Patentin Rel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                 CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                 APPLICANT: IMMUNOGEN, INC.
TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
TELECOMMUNICATION INFORMATION:
                                                              APPLICATION NUMBER: US 0 FILING DATE: 12-MAY-1995
                                                                                                       APPLICATION NUMBER: FILING DATE: HEREW
                                                                                                                                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 12-MAY-1995
                                                                                                                                                                                                     STATE:
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1455 Pennsylvania Avenue, N.W
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                                                                                                                                                                                                                                                                                                                                                                                                            STANDARD; DNA; UNC; 45
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                                                                         US 08/440,391
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                 32,073
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Pred. No. 5.80e-15;
0; Mismatches (
          L04322.147PCT
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Matches 4
                  Query Match
Best Local :
      Matches
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SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-440-391-21 STANDARD; DNA; UNC;
                                                   Sequence 39 BP; 11 A; 11 C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 21,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 21, Application US/08440391
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                                                                                                                                         APPLICATION NUMBER: US/08/440,391
FILING DATE: 12-MAY-1995
CLASSIFICATION: 435
ATTORNEY/ACENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104322.147
TELECOMMUNICATION INFORMATION:
TELEFAX: 202-942-8404
TELEFAX: 202-942-8404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          420 GTGGGACGGCAGCTCGCCATCATCGGGGACGACGACATCAACCGACGC
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TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
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1.9%;
Local Similarity 100.0%;
les 39; Conservation
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LENGTH: 45 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECHIE TYPE: DAY (COC.)
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Local Similarity 100.0%;
hes 45; Conservative
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTMARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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                                                                MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS TITLE OF INVENTION: MOULLATE APOPTOSIS NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA (genomic) uence 45 BP; 10 A; 15 C; 15 G
                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: CHITTENDEN, Thomas D.; and APPLICANT: LUTZ, Robert J.
                                                                                TYPE: nucleic acid
STRANDEDNESS: single
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                                                                          TOPOLOGY:
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1455 Pennsylvania Avenue, N.W.
                                                                         linear
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                                                              DNA (genomic)
   Score 39; DB 7; 1
Pred. No. 6.39e-11;
0; Mismatches (
                                                  11 G; 6 T; 0 other;
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Pred. No. 5.80e-15;
0; Mismatches 0
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Best Local :
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PRIOR APPLICATION:
PRIOR APPLICATION:
PRIOR APPLICATION:
                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 1043
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8484
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
CTE PARTECINES: 421
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 21, Application PC/TUS9606122
GENERAL INFORMATION:
APPLICANT: IMMUNOGEN, INC.
TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS
TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
                                                          US-08-232-463-14 STANDARD; DNA; UNC; 7218
                                                                                                                                                                                  MOLECULE TYPE: DNA (genomic) Sequence 39 BP; 11 A; 11 C; 11 G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21, Application PC/TUS9606122
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                                                                                                   444 GGGGACGACATCAACCGACGCTATGACTCAGAGTTCCAG
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CLASSIFICATION:
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Similarity 100.0%;
39; Conservative
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                                                                                                                                                                                                                single
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                                                                                                                                        Score 39; DB 15;
Pred. No. 6.39e-11;
0; Mismatches 0
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Sequence 14,

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Best Local :
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CLONE: pTzgpt-F1s
Sequence 7218 BP; 1944 A; 1491 C; 1486 G; 1929 T; 368 other;
                                                                                                                                                         Sequence 14, Application US/08232463
                                                                                                                                                                                2019 CTCCATCTGCCTCCCCTCCCTGCATTTGGCTGAATCAAGAACTTCTCCCCCCCTGACCCCC 1960
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                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: DORNER, F.
APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOGGER: 29,768
                                                                                                                                                                                                                                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pair
                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114
TELECOMMUNICATION INFORMATION:
TELEPHONE: [703]836-9300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: |
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
TGGTGTTGATAGTCCTTCTCCCACTTAGAACCCTCCAGATGAACTCCCTACTCCTTTTCC
                                            ACACCCTGGATTACACTGTGCCAGAGCCATGAGGGAGGATCCACCTCTGGGATTCCTAG
                                                                 ACAGGTGAGGAGCATGGAGGGTGGGGGAACAGAGTTCAAGTATTCACAGTTCCCCCATCT
                                                                                                                                  AAGACCCTAGGCTGTGCCAATAGAGAAGGCACTGTCACCCCCCACCCTGAGGAGACCTAG 1900
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
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                                                                                                                                                                                                                            170; Mismatches 137;
                                                                                                                                                                                                                                      Score 39; DB 7;
Pred. No. 6.39e-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 5, Application US/08238163 Patent No. 5569830
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284 CCAGGACACAGAGGATTTTCCGCAGCTACGTTTTTTACCGCCATCAGCAGCAACAGGA 343
                                                                                                                                                                                                                                                                                            TELEFAX: (415) 543-50 INFORMATION FOR SEQ ID NO:
                                                224 TCCTCCCAGGCAGGAGTGCGGAGAGCCTGCCCTGCCTCTGCTTCTGAGGAGCAGGTAGC
                                                                                       1.8%;
Local Similarity 16.9%;
nes 27; Conservation
                      62 SSANYNYGGNNVGAAKTHYYTHTNVSGAD-SKTVTDSYNASGTSSSNGGTDGNRSGADSY 120
                                                                    2 TNVTMSSSSVVSRTASCNDKAKKDGNTTSSWTTDCCNRTWGVCDTDTTYRVNNDSGHNKY 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 215 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 543-9600
                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08
FILING DATE: 03-MAY-1994
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEA
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                           FEATURE:
                                                                                                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT:
                                                                                                                                                      NAME/KEY: misc_feature
LOCATION: 1..215
OTHER INFORMATION: /sta
OTHER INFORMATION: seq
                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0
                                                                                                                                                                                                                                            STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Townsend and Townsend Khourie and Crew STREET: Steuart Street Tower, One Market Plaza
                                                                                                                                                                                                                                   TOPOLOGY:
                                                                                                                                                                                                                                                                                                                    TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         94105-1493
                                                                                                                                                                                                                                                                                                                                                    AGENT THE BASTIAN, Kevin L.
Bastian, Kevin L.
34,774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             California
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            POWELL, Ann
STOTZ, Henrik
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BENNETT, Alan
                                                                                                                                                                                                                                  unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STANDARD; DNA; UNC;
                                                                                                                                                                                                                   protein
                                                                                                                                                                                                                                            single
                                                                                                                                                                                                                                                                                                       543-5043
                                                                                                                                                                                                                                                                                                                    543-9600
                                                                                                                                                                     /standard_name= "Deduced amino
                                                                                                                                                                                                                                                                                                                                                                                                                                           Release #1.0,
                                                                                                                                                                                                                                                                                                                                                                                                                  uS/08/238,163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      John
                                                                                            Score 38; DB 6; Length 215;
Pred. No. 2.91e-10;
67; Mismatches 64; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Version
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                                                                                    Matches
                                                                                                          Query Match
                                                                                                                               LOCATION: 1..215
OTHER INFORMATION: /standard_name= "Deduced amino acid OTHER INFORMATION: sequence of PGIP from bean."
Sequence 215 BP; 15 A; 8 C; 25 G; 26 T; 141 other;
                                   1025 GCACCATGCAATGTTGAGGTGCCTCTGCAGCCTGACTGGCCCCCACGC-AGGGCCTCCGA 967
                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/238,
FILING DATE: 03-MAY-1994
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Bastlan, Kevin L.
REGISTRATION NUMBER: 34,774
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 5, Patent No. 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 5,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-238-163-5 STANDARD; DNA; UNC;
                                                                                                                                                                                                                                                                              TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             121 GSSKTAMTSRNRTGKTANNAVDSRNMGDASVGSDKNTKKH 160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
             69
                                                                                                Local
                                                            9
                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 215 base pairs
                                                                                                                                                                                                                                                                                                                 REFERENCE/DOCKET NUMBER: 23
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEASE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: BENNETT, Alan
APPLICANT: LABAVITCH, Jol
                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13
            GGNNVGAAKTHYYTHTNVSGADSKTVTDSYNASGTSSSNGGTDGNRSGADSYGSSKTAMT 128
                                                         SSVVSRTASCNDKAKKDGNTTSSWTTDCCNRTWGVCDTDTTYRVNNDSGHNKYSSANYNY 68
                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GCTGAA-GGGGTGGCTGCCCTGCCGACCCAGAGATGGT
                                                                                                                                                                                                                       TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE:
                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE:
                                                                                   Similarity
26; Conser
SSEE: Townsend and Townsend Khourie and Crew
T: Steuart Street Tower, One Market Plaza
San Francisco
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  California
                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             POWELL, Ann
STOTZ, Henrik
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LABAVITCH, John M.
                                                                                                                                                                                                                     unknown
                                                                                                                                                                                                          protein
                                                                                              1.6%;
                                                                                                                                                                                                                                                                                                                                                                                                       US/08/238,163
                                                                                   Score 33; DB 6; Length 215;
Pred. No. 4.76e-07;
74; Mismatches 89; Indels
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Best Local :
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GENERAL INFORMATION:
APPLICANT: Cytogen Corporation
TITLE OF INVENTION: Antigen Binding
TITLE OF INVENTION: Peptide Libraria
NUMBER OF SEQUENCES: 103
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT-US95-11934-100 STANDARD; DNA; UNC; 74 BP
                                                                                                                                            MOLECULE TYPE: DNA (genomic)
Sequence 74 BP; 6 A; 6 C; 1 G; 1 T; 60 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 100,
                                                                                                                                                                                                              TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           846 CCCTTGGGAG 837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         906 AGAGAAGGCAAAGACTTCGCTTAAGTCCAGGCAGGGGTCTGAACCGGGACCCAAAGGGCA 847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       966 AGCTGGAGTGCACACTTGCTAAAGCTTCTGTACTCTTGAGGGGGGGACCCTGCAAGGGAAC
814 ACCACAA 808
                                             874 AGGGGTCTGAACCGGGACCCAAAGGGCACCCTTGGGAGTCATGATTTGAAGAATCTTCGT 815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 189 VSNNCGGGNK 198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              129 SRNRTGKTANNAVDSRNMGDASVGSDKNTKKHAKNSADGKVGSKNNGDRNNRYGTGTKSN 188
                       66 ACCACAA 72
                                                                                                         Match 1.2%;
Local Similarity 10.4%;
                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: (212) 790-9090
                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION: NAME: Misrock, S. Leslie
                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: PCT/US95/11934 FILING DATE: 20-SEP-1995 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Pennie a pumpur STREET: 1155 Avenue of the Americas
                                                                                                                                                                                STRANDEDNESS:
                                                                                                                                                                                              TYPE:
                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER:
                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                       TELEFAX:
                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE:
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                                                                                                                                                                                                       LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     10036
                                                                                                                                                                                         nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New York
                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Application PC/TUS9511934
                                                                                                                                                                                                                                                       (212) 869-9741/8864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                USA
                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                                                                                                                                                                            Floppy disk
                                                                                                                                                                               single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antigen Binding Peptides (Abtides) From Peptide Libraries 103
                                                                                                                                                                                                                                                                                                                Leslie
                                                                                                                                                                                                                                                                                                     18,872
                                                                                              19;
                                                                                                         Score 25; DB 14;
Pred. No. 2.85e-02;
                                                                                                                                                                                                                                                                                           1101-196-228
                                                                                              Mismatches
                                                                                                                    Length 74;
                                                                                              Indels
                                                                                            0
                                                                                            Gaps
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RESULT 15
ID PCT-US95-11934-99 STANDARD; DNA; UNC; 75 BP.
Search completed: Wed May 6 23:26:35 1998
Job time: 121 secs.
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Best Local s
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FILING DATE: 20-SEP-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 16,872
REFERENCE/DOCKET NUMBER: 1010-196-228
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 790-9090
TELEFAX: 66141 PENNIE
INFORMATION FOR SEG ID NO: 99:
SEQUENCE CHARACTERISTICS:
LENGTH: 75 base pairs
TYPE: nucleic acid
STPANDENNIES: 510-10
                                                                                                                                                                                                                STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
Sequence 75 BP; 1 A; 1 C; 7 G; 5 T; 61 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 99, Application PC/TUS9511934
GENERAL INFORMATION:
APPLICANT: Cytogen Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 99, Application PC/TUS9511934.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           XXXXX
                                                    145 CCGGGTTG 152
                                                                                                                                                          y Match 1.2%;
Local Similarity 10.3%;
hes 7; Conservative
                                                                64 NNBGGTTG 71
                                                                                                        85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Cytogen Corporation
TITLE OF INVENTION: Antigen Binding Peptides (Abtides) From
TITLE OF INVENTION: Peptide Libraries
NUMBER OF SEQUENCES: 103
CORRESPONDENCE ADDRESS:
                                                                                                                                ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
                                                                                                      AGCCCCTGGGAGCAGCCGCCAGCCCCTCGGACCTCCATCTCCACCCTGCTGAGCCAC 144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          USA
                                                                                                                                                          Score 25; DB 14; Length 75; Pred. No. 2.85e-02; 19; Mismatches 42; Indels
                                                                                                                                                         0;
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Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

Tabular output not generated. Run on: Wed May 6 09:34:23 1998; MasPar time 3.58 Seconds 337.331 Million cell updates/sec

Description: Perfect Score: Title: >US-08-320-157-7 (1-211) from US08320157.pep 1561

Sequence: MASGQGPGPPRQECGEPALP.....LVVLGVVLLGQFVVRRFFKS 211

Searched: PAM 150 Gap 11 62627 seqs, 5720858 residues

Scoring table:

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

a-issued 1:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 30.586; Variance 145.199; scale 0.211

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

45	44	43	42	41	40	39	ა 8	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23
218	218	226	226	226	226	248	248	250	250	250	250	252	255	255	258	258	259	259	259	259	259	259
14.0	14.0								16.0													
		31 1							236													205
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US-08-112-	US-08-248-	PCT-US96-0	US-08-440-	US-08-440-	PCT-US96-0	PCT-US95-0	US-08-607-	US-08-607-	US-08-112-	PCT-US95-0	US-08-248-	US-08-077-	US-08-112-	US-08-248-	US-08-607-	PCT-US95-0	PCT-US93-0	5459251-2	US-08-248-	US-08-333-	5506344-2	US-08-333-
ω,	ω,	ω	16	ω		21	21,		11,	22,	11		10	10,	20,	20,	Sequence 5, Applicatio	0.54	12,	Sequence 51, Applicati	o. 55	Sequence 52, Applicati
3.44e-09	.44e-	.72e-	7.72e-	7.72e-	7.72e-	1.23e-		.42e-		.42e-	.42e-		.26e-	.26e-	.85e-	.85e-	.53e-	.53e-	1.53e-12	.53e-	. 53	1.53e-12

ALIGNMENTS

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ZXUUZX \ PU PUU PXXHB N	Sequence 16, Application US/08321071A. Sequence 16, Application US/08321071A Patent No. 5672686 GENERAL INFORMATION: APPLICANT: CHITTENDEN, Thomas D. TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS TITLE OF INVENTION: OF USE THEREOF NUMBER OF SEQUENCES: 31 CORRESPONDENCE ADDRESS: ADDRESSE: Hale and Dorr STREET: 1455 Pennsylvania Avenue, N.W. STATE: D.C.	LT 1 US-08-321-071A-16 STANDARD; PRT; 211 AA. xxxxxxx 01-Jan-1900

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                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                            Sequence 15, Application US/08321071A Patent No. 5672686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181 LNLGNGPILNVLVVLGVVLLGQFVVRRFFKS 211
        APPLICATION NUMBER: PCT/US95/10103
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION UNBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REFERENCE/DOCKET NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104322.121CIP
TELEPHONE: 202-942-8484
TELEPHONE: 202-942-8484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181 LNLGNGPILNVLVVLGVVLLGQFVVRRFFKS 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61 VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSERQTMLQHLQPTAENAYEYFTKIATSLFE 120
TELEFAX: 202-942-8 INFORMATION FOR SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Match 99.98;
Local Similarity 99.58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 MASGGGFGPPRQECGEPALPSASEEQVAQDTEEVFRSYVFYRHQQEQEAEGVAAPADPEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MASGOGPGPPRQECGEPALPSASEEQVAQDTEEVFRSYVFYRHQQEQEAEGVAAPADPEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: peptide
JENCE 211 AA; 23410 MW; 235207 CN;
                                                                                                                                                                     COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/321,071A
FILING DATE: 11-CCT-1994
                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS TITLE OF INVENTION: OF USE THEREOF
                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 211 amino
TYPE: amino acid
STRANDEDNESS: Sinc
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFE 120
                                                                                                                                                                                                                                                          STATE: D.C. 20004
                                                                                                                                                             CLASSIFICATION:
                                                                                                                                                                                                                                                                                                  STREET:
                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               210;
                                                                                                                                                                                                                                                                                       Washington
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                                                                                                                                                                                                                                                                                               1455 Pennsylvania Avenue,
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Pred. No. 2.88e-127;
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 Query Match
Best Local S
Matches 5
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Best Local Similarity 100.0%;
Matches 54; Conservative
                                                SEQUENCE
                                                                                                                    REFERENCE/DOCKET NUMBER: 104
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21, Application US/08321071A.
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                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/321,071A
FILING DATE: 11-CCT-1994
CLASSIFICATION: 514
PRIOR APPLICATION: 514
PRIOR APPLICATION NUMBER: DCT/US95/10103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 21, Application US/08321071A Patent No. 5672686
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          124 NWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGW 177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Patent No.
                                                                                                                                                                                        APPLICATION NUMBER: PCT/US95/10103
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REGISTRATION NUMBER: 32,073
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 NWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGW 54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 57 amino acids
                                                MOLECULE TYPE: peptide
JENCE 54 AA; 6172 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                        TOPOLOGY:
                                                                                  STRANDEDNESS:
                                                                                                           LENGTH:
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h 25.4%;
Similarity 100.0%;
54; Conservative
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57 AA; 6559 MW; 15838 CN;
                                                                                              amino acid
                                                                                                           54 amino acids
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1455 Pennsylvania Avenue, N.W.
                                                                       linear
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                                               15712 CN;
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Score 396; DB 7; Lo
Pred. No. 4.35e-24;
0; Mismatches 0;
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Pred. No. 5.47e-29;
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                         PCT-US94-07089-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No.
                                                                                                  Match 22.2%;
Local Similarity 100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           82
                                                          74 VGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESG 122
                                                                                                                                                                                       INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/
FILING DATE: 11-OCT-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Н
                                                                                                                                                                                                                NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 10
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr
STREET: 1455 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF
NUMBER OF SEQUENCES: 31
                                                                                                                                                                                                                                                 APPLICATION NUMBER: 08/287,427 FILING DATE: 09-AUG-1994 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                            APPLICATION NUMBER: PCT/
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
                                                                  VGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESG 49
                                                                                                                                     MOLECULE TYPE:
                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESGINWGRVVALLGFG
                                                                                                                                                                                                                                                                                                                                                                                      STATE: U. 20004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESGINWGRVVALLGFG 135
                                                                                                                                             LENGTH: 49 amino acids TYPE: amino acid STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                       TELEPHONE: 202-942-8484
                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Washington
                                                                                            49;
                                                                                                                             49 AA;
                                                                                           Conservative
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                                                                                                                            E: peptide
5639 MW; 1
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                         STANDARD;
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                                                                                                                            12778 CN;
                                                                                         Score 347; DB 7; Le
Pred. No. 6.50e-20;
0; Mismatches 0;
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                         PRT;
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                                                                          Sequence 2, Application US/08081448
                                                                                                        01-JAN-1900
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                                                                                                                                                                  US-08-081-448-2
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Sequence 2, Application Patent No. 5646008 GENERAL INFORMATION: Thompson,
                                                                                                                                                                                                                              172 AQRGGWV-AAL 181
                                                                                                                                                                                                                                                         179 QENGGWVRTAL 189
                                                                                                                                                                                                                                                                                       112 TKIATSLFESGINWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCIARWI 171
                                                                                                                                                                                                                                                                                                                     120 EQVVNELFHDGVNWGRIVAFFSFGGALCVESVDKEMRVLVGRIVSWMTTYLTDH-LDPWI 178
                                                                                                                                                                                                                                                                                                                                                                                                       17.6%;
Local Similarity 28.2%;
hes 37; Conservation
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                                                                                                                                                                                                                                                                                                                                                                                60 VVNGATVHRSSLEVHEIVRASDVRQALRDAGDEFELRYRRAFSDLTSQLHITPGTAYQSF 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 713-789-2679
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/08
FILING DATE: 22 JUNE 1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, ASCII CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: protein JENCE 190 AA; 21467 MW; 192890 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION: TELEPHONE: 512-320-7200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: amir
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TRAX: 713-789-2679
TD NO:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 32 REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: PARKER, David L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       amino acid
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 Thompson, Craig B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
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                                                                                                                                                                  STANDARD;
                                              US/08081448
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Compositions and Methods
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Pred. No. 8.75e-14;
33; Mismatches 59
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/081,448
FILING DATE: 1930622
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5646008thrup, Thomas E.
REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: ARCD090
TELECOMMUNICATION INFORMATION:
TELEPHONE: 31-744-0090
                                                                                               Sequence 29, Application PC/TUS9504600
GENERAL INFORMATION:
APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION
TITLE OF INVENTION: Interaction of Proteins Involved
TITLE OF INVENTION: a Cell Death Pathway
NUMBER OF SEQUENCES: 29
                                                                                                                                                                                                                                                                                                                                                                                                            179
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                                                                                                                                                                                                                                                                                                                                                                            172 AQRGGWV-AAL 181
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         52
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Local Similarity 28.28;
es 37; Conservation
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acids
                                                                              NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE:
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TITLE OF INVENTION:
TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                          QENGGWVRTAL 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EQVVNELFHDGVNWGRIVAFFSFGGALCVESVDKEMRVLVGRIVSWMTTYLTDH-LDPWI 178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      VAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYF 111
             STREET: 4370 La Jo
CITY: San Diego
STATE: California
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CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: amino acid
   COUNTRY:
                                                                 ADDRESSEE:
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190 AA; 21467 MW; 192890 CN;
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                                                4370 La Jolla Village Drive,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        E: Arnold, White & Durkee
321 No. 5646008th Clark Street, Suite 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 190 amino acids
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VENTION: Vertebrate Apoptosis Gene:
VENTION: Compositions and Methods
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                                                                 Campbell and Flores
                                                                                                                                                                                                                                                                                                              STANDARD;
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                                                                                                                                                                                                                                                                                                            236 AA
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Best Local Similarity 28.3%;
Matches 30; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      154 MCVXSVXXEMXPLVXXIAXWMTXYLNRH-LXXWIQDNGGWDXFVEL 198
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                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ATTORNEY AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
REFERENCE/DOCKET NUMBER: FP-L
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (619) 535-8949 INFORMATION FOR SEQ ID NO:
                                                                     ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release $1.0, Version
CURRENT APPLICATION DATA:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/226,876
FILING DATE: 13-APR-1994
                                                                                                                                                                                                                                              TITLE OF INVENTION: Interaction of Proteins Involved in TITLE OF INVENTION: Cell Death Pathway NUMBER OF SEQUENCES: 29
                                                                                                                                                                                                                                                                                   APPLICANT: Reed, John C. APPLICANT: Sato, Takaaki
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 236 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                  FILING DATE:
                                                                                                                                                                                          STREET: 4370 La
CITY: San Diego
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/
FILING DATE: 12-APR-1995
                                      CLASSIFICATION:
                                                              APPLICATION NUMBER:
                                                                                                                                                                   COUNTRY: USA
                                                                                                                                                                                  STATE:
                                                                                                                                                                                                                      ADDRESSEE:
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                                                             US/08/607, 269
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Pred. No. 1.88e-13;
24; Mismatches 51;
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Matches 3
Query Match
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les 30; Conser
                                                                                  TELEFAX: (619) 535-894 INFORMATION FOR SEQ ID NO:
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INFORMATION FOR SEQ ID NO: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 9882
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                    COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, V.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04600
                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
REFERENCE/DOCKET NUMBER: FP
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MEDIUM TYPE: Floppy disk
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LENGTH: 236 amino acid
                                                                                                         TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES: 2: CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Interaction of Proteins Involved TITLE OF INVENTION: a Cell Death Pathway
                                                                       SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESGINWGRVVALLGFGYR 137
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CITY: San Diego
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CLASSIFICATION:
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                         233 AA; 26063 MW; 275311 CN;
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                                                                                            (619) 535-90(
(619) 535-8949
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 17.0%;
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Pred. No. 1.88e-13;
24; Mismatches 51
 Score 266; DB 14;
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 Length 233;
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                                                                                                                      SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    120 YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
120 YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
                        48 EAEGVAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENA 107
                                              61 DSPAVNGATGHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 7: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
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                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: AI TELECOMMUNICATION INFORMATION TELEPHONE: 512-320-7200
                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM: PC-D
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC
FILING DATE: CONCURREN
                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 08/0 FILING DATE: 22 JUNE 199 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TITLE OF INVENTION:
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                                                                                                                                               TOPOLOGY:
                                                                                                                                                          TYPE:
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                                                                                                                                                                    LENGTH:
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                                                                                                                     LE TYPE: protein
233 AA; 26049 MW; 275801 CN;
                                                                                                                                                       amino acid
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                                                                        Conservative
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                                                                                                                                               linear
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SYSTEM: PC-DOS/MS-DOS, ASCII
                                                                                  17.0%;
25.5%;
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Compositions and Methods
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                                                                        42;
                                                                                   Score 266; DB 13;
Pred. No. 4.03e-13;
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                                                                         Mismatches 60;
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                                                                                                                                                                                         SEQUENCE
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                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
SOFTWARE: PATENTIN RATA:
APPLICATION NUMBER: US/08/081,448
FILING DATE: 1930622
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5646008thrup, Thomas E.
REGISTRATION NUMBER: 33,268
REGISTRATION NUMBER: 33,268
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                                                                                                               61 DSPAVNGATAHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
                                                                                                                                                                                                                                                           TELEFAX: 312-755-4489
INFORMATION FOR SEQ ID NO:
                                                                                                                                                    Match 17.0%;
Local Similarity 25.5%;
                                                                                                                                                                                  MOLECULE TYPE: protein
JENCE 233 AA; 26063 MW; 275311 CN;
                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Thompson, Craig B.
APPLICANT: Boise, Lawrence H.
TITLE OF INVENTION: Vertebrate Apoptosis Gene:
TITLE OF INVENTION: Compositions and Methods
                                                                                                                                                                                                                                                                                   TELEPHONE: 312-744-0090
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
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ARWIAQRGGWVAALNL-GNGP 187
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                                             YEYFTKIATSLFESGINWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCI 167
                                                                   YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESYDKEMQVLVSRIAAWMATYLNDH-L 178
                                                                                           EAEGVAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENA 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: 321 NO
CITY: Chicago
STATE: IL
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                                                                                                                                                                                                               TOPOLOGY:
                                                                                                                                                                                                                           TYPE:
                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: ARCD090
                                                                                                                                                                                                                                                                                  TELEPHONE:
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                                                                                                                                           36;
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5646008
                                                                                                                                                                                                                          amino acid
                                                                                                                                          Conservative
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321 No. 5646008th Clark Street, Suite 800
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                                                                                                                                                    Score 266; DB 7;
Pred. No. 4.03e-13;
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                                                                                                                                         Mismatches 60; Indels
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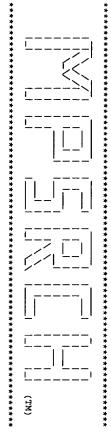
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                                      168 ARWIAQRGGWVAALNL-GNGP 187
                                                                                      108
                                                            179 EPWIQENGGWDTFVELYGNNA 199
                                                                                                            120 YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
                                                                                                                                                         61 DSPAVNGATAHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
                                                                                                                                                                                     7 Match 17.0%;
Local Similarity 25.5%;
les 36; Conservative
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                                                                                                                                     48 EAEGVAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENA 107
                                                                                                                                                                                                                                                                                                   TELEFAX: (619) 535-8949 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: P-LJ
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite
                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Interaction of Proteins Involved in TITLE OF INVENTION: Cell Death Pathway
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Reed, John C. APPLICANT: Sato, Takaaki
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                     YEYFTKIATSLFESGINWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCI 167
                                                                                                                                                                                                                                                             TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STATE:
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                                                                                                                                                                                                                                                                         LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
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                                                                                                                                                                                                                                                                           233 amino acids
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                                                                                                                                                                                     Score 266; DB 8;
Pred. No. 4.03e-13;
42; Mismatches 60
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Matches 36; Conservation
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PCT-US96-06122-14
                                                                                                                                                                 Sequence 14, Application PC/TUS9606122
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Sequence 14, Application PC/TUS9606122
GENERAL INFORMATION:
APPLICANT: IMMUNOGEN, INC.
TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS
TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 59, APPER
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                                                                                                                                                                                                                                                                                                                                                                                                                                         168 ARWIAQRGGWVAALNL-GNGP 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      120 YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
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INFORMATION FOR SEQ ID NO: 59:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    61 DSPAVNGATGHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 48 EAEGVAAPADPEMVTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENA 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
STRANDEDNESS: single
STRANGY: unknown
MOLECULE TYPE: peptide
UENCE 233 AA; 26049 MW; 275801 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/333,565
FILING DATE: 31-OCT-1994
CLASSIFICATION: 435
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TITLE OF INVENTION: Bcl-x/Bcl-2 ASSOCIATED CELL DEATH
TITLE OF INVENTION: REGULATOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION NUMBER: 30,223
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MEDIUM TYPE: Floppy disk
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     YEYFTKIATSLFESGINWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCI 167
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
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                                                                                                                                                                                                                                                                                                                                   STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      y Match
Local Similarity 100.0%;
hes 36; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          65 LQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHL 100
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TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 LQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHL 36
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                       NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr
STREET: 1455 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                    APPLICANT: CHITTENDEN, Thomas D.; and APPLICANT: LUTZ, Robert J.
TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH TITLE OF INVENTION: MODULATE APOPTOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: 10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0:
FILING DATE: 12-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION DATA: APPLICATION NUMBER: PC
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STATE: D.C
STATE: 20004
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                     STREET: 1455 CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: PatentIn Release #1.0, Version #1.25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LE TYPE: peptide
36 AA; 4120 MW; 6096 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Washington
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1455 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               36 base pairs
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Pred. No. 1.26e-12;
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                            Version #1.25
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CC APPLICATION NUMBER: US/08/440,391
CC FILING DATE: 12-MAY-1995
CC CLASSIFICATION: 435
CC ATTORNEY/AGENT INFORMATION:
CC ATTORNEY/AGENT INFORMATION:
CC REGISTRATION NUMBER: 32,073
CC REGISTRATION NUMBER: 32,073
CC TELEPONNEY: 202-942-844
CC INFORMATION FOR SEQ ID NO: 14:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 36 base pairs
CC TYPE: amino acid
```



Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

Run on: Wed May 6 09:37:57 1998; MasPar time 3.48 Seconds 347.077 Million cell updates/sec

Tabular output not generated. .

Title:

Description:
Perfect Score:
Sequence: >US-08-320-157-9
(1-21) from US08320157.pep
1554
1 MASGOGFGPPRQECGEPALP.....LVVLGVVLLGQFVVRRFFKS 211

Scoring table: PAM 150 Gap 11

Searched: 62627 seqs, 5720858 residues

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

a-issued 1:backl 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 30.614; Variance 144.887; scale 0.211

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

19 260 20 260																					Result (
16.7 16.7	16.7						5								.7		2	٠.	28.2		Query Match Ler
205 1 205 1	205 13														190 7			54 7	57 7	211 7	Length DB
5459251-4	PCT-US94-0	US-08-248-	US-08-081-	US-08-440-	PCT-US96-0	PCT-US95-0	US-08-607-	US-08-333-	US-08-607-	US-08-081-	PCT-US94-0	PCT-US95-0	US-08-607-	PCT-US95-0	us-08-081-	PCT-US94-0	US-08-321-	ò	US-08-321-	US-08-321-	ID
Patent No. 5459251.		13	4,	14	14	29	29	59	24	Sequence 6, Applicatio	7,	24	23,	23, Apr	Ŋ	2, A	25, App	21,	•	, Appli	Description
1.15e-	1.15	1.15e-	1.15e-	1.15e-	1.15e-	6.49e-	6.49e-	5.36e-	5.36e-	5.36e-	5.36e-	5.36e-1	i 3.66e-1	<u>υ</u> .	1.40e-	1.40e-1		i 2.17	± 8.	cati 9.20e-125	Pred. No.

45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23
221	221	226	226	226	226	250	250	251	251	251	251	253	256	256	259	259	260	260	260	260	260	260
14.2	14.2	14.5	14.5	14.5	14.5	16.1	4	\mathbf{a}	•	•	•	\mathbf{a}	~	•	\sim	\mathbf{a}	16.7	\sim	CD.	\sim	16.7	•
			31 7			236 14						154 5								239 7		205 7
US-08-112-	US-08-248-	PCT-US96-0	US-08-440-	US-08-440-	PCT-US96-0	PCT-US95-0	us-08-607-	us-08-607-		PCT-US95-0	US-08-248-	g	US-08-112-	US-08-248-	US-08-607-	PCT-US95-0	PCT-US93-0	5459251-2	US-08-248-	US-08-333-	5506344-2	US-08-333-
Sequence	Sequence	Sequence	Sequence	Sequence			Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Patent No	Sequence	Sequence	Patent No.	Sequence
8, Applicatio	Applicatio	 Applicatio 	16, Applicati	 Applicatio 	16, Applicati	`	, App	` ≱.	-	`	11, Applicati	 Applicatio 	`	•	-	20, Applicati	Applicatio	54	12, Applicati	51, Applicati	Ç	52, Applicati
1.83e-09	1.83e-09			.15e-	.15e-	7.71e-12	.71e-	.37e-	.37e-	.37e-	.37e-	4.36e-12	.46e-	.46e-	39e-	.39e-	1.15e-12	Ģ	1:15e-12	1.15e-12	1.15e-12	1.15e-12

ALIGNMENTS

888888888888888888888888888	*#*55555555555555555555555555555555555	RESULT ID U XX AC x XX DT 0
	Sequence 16, Application US/08321071A. Sequence 16, Application US/08321071A Patent NO. 5672686 GENERAL INFORMATION: APPLICANT: CHITTENDEN, Thomas D. TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS TITLE OF INVENTION: OF USE THEREOF NUMBER OF SEQUENCES: 31 CORRESPONDENCE ADDRESS: ADDRESSEE: Hale and Dorr STREET: 1455 Pennsylvania Avenue, N.W. CITY: Washington	LT 1 US-08-321-071A-16 STANDARD; PRT; 211 AA. xxxxxxx 01-JAN-1900

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Best Local Similarity 96.7%;
Matches 204; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 211 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE 211 AA; 23410 MW; 235207 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 15, Application US/08321071A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-321-071A-15
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Patent No. 5672686
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                                                 APPLICATION NUMBER: PCT/US95/10103

FILING DATE: 09-AUG-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/287,427

FILING DATE: 09-AUG-1994

ATTORNEY/AGENT INFORMATION:
NAME: MIXON, HENRY N.
REGISTRATION NUMBER: 32,073

REFERENCE/DOCKET NUMBER: 104322.121CIP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181 LNLGNGPILNVLVVLGVVLLGQFVVRRFFKS 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61 VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFE 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61 VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEPQTMLQHLQPTAENAYEYFTKIATSLFE 120
                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION: APPLICANT: CHITTE
 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 MASGQGPGPPRQECGEPALPSASEEQVAQDTEEVFRSYVFYHHQQEQEAEGAAAPADPEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MASGOGPGPPRQECGEPALPSASEEQVAQDTEEVFRSTVFYRHQQEQEAEGVAAPADPEM
                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: FC-DOS/MS-DOS
OPERATING SYSTEM: FC-DOS/MS-DOS
                                                                                                                                                                     CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: APOPTOSIS RELATION: OF USE THEREOF
                        TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                           Cli.
STATE: U.
TD: 20004
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                                                                                                                                                                                                APPLICATION NUMBER: US/0 FILING DATE: 11-OCT-1994
                                                                                                                                                                                                                                                                                                                               CITY: Washington
                                                                                                                                                                                                                                                                                                                                              STREET:
                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                             E: Hale and Dorr
1455 Pennsylvania Avenue,
               202-942-8484
                                                                                                                                                                                                                                                                                                                                                                                                             CHITTENDEN, Thomas D.
VENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STANDARD;
                                                                                                                                                                                                              US/08/321,071A
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Pred. No. 9.20e-125;
6; Mismatches 1;
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Matches 5
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                                        MOLECULE TYPE: peptide SEQUENCE 54 AA; 6172 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 21, Application US/08321071A.
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SEQUENCE 57
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Patent No. 5
                                                                                                             TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
                                                                                                                                       APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104322.
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local
                                                                                         SEQUENCE CHARACTERISTICS LENGTH: 54 amino acid
                                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                             APPLICATION NUMBER: PCT/1
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS
LENGTH: 57 amino acids
                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y,
                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                             TELEPHONE: 202-942-8484
                                                                                                                                                                                                                                                                                                                                                          STREET: 1400 CONTY: Washington
                                                          TOPOLOGY: linear
                                                                     STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: single
TOPOLOGY: linear
DLECULE TYPE: peptide
NCE 57 AA; 6559 MW; 1
                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/321,071A FILING DATE: 11-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
  Similarity
52; Conser
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Similarity 94.4%;
51; Conservative
                                                                    amino acids
amino acid
DEDNESS: single
 24.9%;
llarity 96.3%;
Conservative
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5672686
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1455 Pennsylvania Avenue, N.W.
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                                                                                                                                  202-942-8400
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                                                                                                                                                                                                                                  PCT/US95/10103
                                          15712 CN;
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Pred. No. 8.85e-28;
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Score 387; DB 7; Lo
Pred. No. 2.17e-23;
2; Mismatches 0;
                                                                                                                                                      104322.121CIP
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                     Length 54;
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                                  PCT-US94-07089-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent No.
                                                                               74
                                                                                                                                                                                                                                                                        APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104322.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   82
                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO:
                                                                                         1 VGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESG 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         _
                                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: peptide
DENCE 49 AA; 5639 MW; ]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF
                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
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                                                                              VGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFESG 122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: L..
20004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESGINWGRVVALLGFG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFESGINWGRVVALLGFS 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/321,071A FILING DATE: 11-OCT-1994
                                                                                                                                                                                                    LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY:
                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
                                                                                                                           48;
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                                                                                                                         Conservative
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1455 Pennsylvania Avenue, N.W.
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                                                                                                                       22.1%; Score 344; DB 7; Le 98.0%; Pred. No. 1.01e-19; vative 1; Mismatches 0;
                                  STANDARD;
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                                  PRT;
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Best Local Similarity 28.1%;
Conservative
                                                         Sequence 2, Application US/08081448
                                                                                   01-JAN-1900
                                                                                                          XXXXXX
                                                                                                                                US-08-081-448-2
                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
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Sequence 2, Application Patent No. 5646008 GENERAL INFORMATION: APPLICANT: Thompson,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application PC/TUS9407089 GENERAL INFORMATION:
                                                                                                                                                                            181 L 181
                                                                                                                                                                                                    189 L 189
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                                                                                                                                                                                                                                                  130 GVNWGRIVAFFSFGGALCVESVDKEMRVLVGRIVSWMTTYLTDH-LDPWIQENGGWVRTA 188
                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: 08/081.448
FILING DATE: 22 JUNE 1993
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVId L.
REGISTRATION NUMBER: 32,165
REGISTRATION NUMBER: ARCD090
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEPHONE: 512-320-7200
TELEPHONE: 512-320-7200
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acids
                                                                                                                                                                                                                                                                                                70 SLEVHEIVRASDVRQALRDAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFHD 129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, ASCII CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION:
TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: protein
ENCE 190 AA; 21467 MW; 192890 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                        TLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFES 121
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                                                                                                                                                                                                                                                                                                                                                                                           TYPE: amino acid TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: C
CLASSIFICATION:
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 Thompson, Craig
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                                                                                                                                STANDARD;
                                   US/08081448
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Pred. No. 1.40e-13;
36; Mismatches 49
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                                                                                                                        Sequence 23, Application PC/TUS9504600
GENERAL INFORMATION:
APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION
TITLE OF INVENTION: Interaction of Proteins Involved in
TITLE OF INVENTION: a Cell Death Pathway
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
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INFORMATION FOR SEQ ID NO: 2:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: No. 564608thrup, Thomas E. REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: ARCD090
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-744-0090
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/081,448
FILING DATE: 193062
FILING DATE: 193062
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
STREET: 9...
STREET: 9...
CITY: San Diego
CTATE: California
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MOLECULE TYPE: protein
JENCE 190 AA; 21467 MW; 192890 CN;
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ADDRESSEE: Arnold, White & Durkee
STREET: 321 No. 5646008th Clark Street, Suite
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 190 amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GINWGRVVALLGFSYRLALHIYQRGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWV-AA 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GVNWGRIVAFFSFGGALCVESVDKEMRVLVGRIVSWMTTYLTDH-LDPWIQENGGWVRTA 188
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                                                                                                     ADDRESSEE:
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Similarity 28.1%;
34; Conservative
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                                                                           4370 La Jolla Village Drive, Suite
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                                                                                                     Campbell and Flores
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STANDARD;
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Pred. No. 1.40e-13;
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Best Local
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                                                                                                                                                                                                                                                                                                   Sequence 23, Application US/08607269.
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                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Match 17.18;
Local Similarity 28.58;
les 41; Conservative
                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                   APPLICANT: Reed, John C.
APPLICANT: Sato, Takaaki
TITLE OF INVENTION: Interaction of Proteins Involved in
TITLE OF INVENTION: Cell Death Pathway
NUMBER OF SEQUENCES: 29
                      SOFTWARE: Patentin Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: FP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
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COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acids
TOPOLOGY: linear
                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                        STREET: 4370 La
CITY: San Diego
STATE: Californi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
          APPLICATION NUMBER:
                                                                                                           COUNTRY:
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CLASSIFICATION:
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                                                                                                 92122
                                                                                                                        California
                                                                                                                                             4370 La Jolla Village Drive, Suite 700
                                                                                                            USA
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          US/08/607, 269
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Pred. No. 3.66e-13;
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CLASSIFICATION: 435 PRIOR APPLICATION DATA:

US 08/226,876

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Best Local Similarity 28.5%;
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                                                                                                                                                                                                                                                                                                                                    Sequence 24, Application PC/TUS9504600 GENERAL INFORMATION:
APPLICANT: LA JOLLA CANCER RESEARCI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 23: SEQUENCE CHARACTERISTICS:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 08/22
FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31.815
          ATTORNEY/AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
REFERENCE/DOCKET NUMBER: FP-LJ 1361
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04600
FILING DATE: 12-APR-1995
                                                                                                                                                                                                                                                                         TITLE OF INVENTION: Interaction of Prote:
TITLE OF INVENTION: a Cell Death Pathway
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RH-LHNWIQDNGGWDAFVELYGNS 199
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HHCIARWIAQRGGWVAALNL-GNG 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AENAYEYFTKIASSLFESGINWGRVVALLGFSYRLALHIYQRGLTGFLGQVTRFVVDFML 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PFTAHGRFVAVVEELFRDGVNWGRIVAFFEEFGGVMCVESVNREMSPLVDNIATWMTEYLN 176
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear
CE 233 AA; 25687 MW; 280319 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX:
                                                                                      CLASSIFICATION:
                                                                                                                                                                                                                                         STREET: 4370 La
CITY: San Diego
                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                STATE:
                                                                                                                                                                                                                                                                     ADDRESSEE:
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                                                                                                                                                                                                                             California
                                                                                                                                                                                                                                                     4370 La Jolla Village Drive, Suite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 233 amino acids
                                                                                                                                                                                                                                                                                                                      LA JOLLA CANCER RESEARCH FOUNDATION

VENTION: Interaction of Proteins Involved in
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                                                                                                                                                                                                                   USA
 (619)
                                                                                                                                                                                                                                                                     Campbell and Flores
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STANDARD;
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Pred. No. 3.66e-13;
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83 MAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGRIVA 142

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Best Local :
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                                                        SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 7, Application PC/TUS9407089 GENERAL INFORMATION:
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Local Similarity 28.0%;
les 33; Conservation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                              TELEFAX: 713-789-2679
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              71 MGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFESGINWGRVVA 130
                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS, ASCII CURRENT APPLICATION DATA:
                                                        MOLECULE TYPE: protein JENCE 233 AA; 26049 MW; 275801 CN;
                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, Wh
STREET: P.O. Box 4433
                                                                                                                                                                                                         FILING DATE: 22 JUNE 1993 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                               CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION:
                                                                                                                                                  TELECOMMUNICATION INFORMATION: 512-320-7200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 233 amino acids TYPE: amino acid TOPOLOGY: linear
                                                                                 TOPOLOGY:
                                                                                           TYPE: amino acid
                                                                                                   LENGTH:
                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                   NAME: PARKER, David L. REGISTRATION NUMBER: 32,165
                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                                                                                        APPLICATION NUMBER: FILING DATE: CONCU
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                                                                                                  233 amino acids
                                                                                                                                        713-789-2679
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                    17.0%;
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                                                                                                                                                                                                                                                                                                                                Floppy disk
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         Score 264; DB 13;
Pred. No. 5.36e-13;
37; Mismatches 46
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Pred. No. 5.36e-13;
37; Mismatches 46
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                       US-08-607-269-24
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                                                                                                                             83 MAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNMGRIVA 142
                                                                                                                                                                                                                                                                                                       ATTORNEY_AGENT INFORMATION:

NAME: No. 5646008thrup, Thoma
REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: ARCD
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312-744-0990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Thompson, Craig B.
APPLICANT: Boise, Lawrence H.
TITLE OF INVENTION: Vertebrate Apoptosis Gene:
TITLE OF INVENTION: Compositions and Methods
NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                 TELEFAX: 312-755-4489
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             71
                                                                                                                                                                           Match 17.0%;
Local Similarity 28.0%;
                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                          MOLECULE TYPE: protein PENCE 233 AA; 26063 MW; 275311 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS
                                                                LLGFSYRLALHIYQRGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWVAALNL-GNGP 187
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                                                                                         FFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-LEPWIQENGGWDTFVELYGNNA 199
                                                                                                               MGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFESGINWGRVVA 130
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                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US
FILING DATE: 19930622
CLASSIFICATION: 424
                                                                                                                                                                                                                                    TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: UZIP: 60610
                                                                                                                                                                                                                                                                                    TELEPHONE: 312-755-4489
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                                                                                                                                                                 33;
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                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                           233 amino acids
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
                       STANDARD;
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37; 1
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Pred. No. 5.36e-13;
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Best Local Similarity 28.0%;
Matches 33; Conservative
                                                                          Sequence 59, Application US/08333565
                                                                                                      01-JAN-1900
                                                                                                                              XXXXX
                                                                                                                                                      US-08-333-565-59
                                                                                                                                                                                                                                                                                                                                                           SEQUENCE
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                                     Sequence 59, Application US/08333565 Patent No. 5622852
                                                                                                                                                                                                     131 LLGFSYRLALHIYQRGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWVAALNL-GNGP 187
                                                                                                                                                                                                                            143 FFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-LEPWIQENGGWDTFVELIGNNA 199
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GENERAL INFORMATION:
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GENERAL INFORMATION:
APPLICANT: KORSMEYER, Stanley J.
TITLE OF INVENTION: Bcl-x/Bcl-2 ASSOCIATED CELL DEATH
                                                                                                                                                                                                                                                                           83 MAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGRIVA 142
                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: P-:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                     71 MGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFESGINWGRVVA 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/2:
FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Reed, Jonn C. APPLICANT: Sato, Takaaki
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 92122
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Interaction of Proteins Involved in TITLE OF INVENTION: Cell Death Pathway
                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 233 amino acids
TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE:
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                                                                                                                                                                                                                                                                                                                                                       233 AA; 26063 MW; 275311 CN;
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: California
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                                                                                                                                                     STANDARD;
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la Village Drive,
                                                                                                                                                                                                                                                                                                       Score 264; DB 8;
Pred. No. 5.36e-13;
37; Mismatches 46
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                                                                                                                                                                           Patent No. 5702897
GENERAL INFORMATION:
                                                                                                                                                                                        Sequence 29, Application US/08607269 Patent No. 5702897
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                                                                                                                                                                                                                                                                                                                                                                                                                                 83 MAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGRIVA 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
REGISTRATION UNMBER: 30,223
REFERENCE/DOCKET NUMBER: 15726A-000700
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 326-2400
TELEFAX: (415) 326-2422
INFORMATION FOR SEQ ID NO: 59:
                                                                                                                                                                                                                                                                                                                                                                                                          71 MGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFESGINWGRVVA 130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Match 17.0%;
Local Similarity 28.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: unknown
MOLECULE TYPE: peptide
JENCE 233 AA; 26049 MW; 275801 CN;
                                                                                                TITLE OF INVENTION: Interaction of Proteins Involved in TITLE OF INVENTION: Cell Death Pathway NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                               APPLICANT: Reed, John C. APPLICANT: Sato, Takaaki
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
              COMPUTER READABLE FORM:
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NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                         LLGFSYRLALHIYQRGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWVAALNL-GNGP 187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/0 FILING DATE: 31-OCT-1994 CLASSIFICATION: 435
                          COUNTRY: UZIP: 92122
                                                  CITY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Palo Alto
STATE: Californ
                                                                           STREET:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
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MEDIUM TYPE: Floppy disk
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                                                                                     ADDRESSEE:
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                                                                       E: Campbell and Flores
4370 La Jolla Village Drive, Suite
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Pred. No. 5.36e-13;
37; Mismatches 46; Indels
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                                        COMPUTER: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04600
FILING DATE: 12-APR-1995
CLASSIFICATION:
ATTORNEY/AGFWM ---
                                                                                                                                                                                                                                                                                                                                                                                              XXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
                                                                                                                                                                                                                                                                                                                                            Sequence 29, Application PC/TUS9504600
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                                                                                                                                                                                                                                                                                                       Sequence 29, Application PC/TUS9504600 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   138 LALHIYORGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWVAALNL 183
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            154 MCVXSVXXEMXPLVXXIAXWMTXYLNRH-LXXWIQDNGGWDXFVEL 198
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 94 LRRAGDXFXRRYXRXFXXMXXQLHLTPXTAXXXFXXVVXELFRDGVNWGRIVAFFXFGGX 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ
TELLECOMMUNICATION INFORMATION:
TELLEPHONE: (619) 535-9001
TELLEPAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 29:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match 16.9%;
Local Similarity 27.4%;
          ATTORNEY/AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
REFERENCE/DOCKET NUMBER: FP
                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Interaction of Prote TITLE OF INVENTION: a Cell Death Pathway
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 0
FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
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SOFTWARE: PatentIn Rel
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                             APPLICANT:
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TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIASSLFESGINWGRVVALLGFSYR 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH:
                                                                                                                                                                                            CITY: San Diego
STATE: California
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HCE 236 AA; 26679 MW; 437248 CN;
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                                                                                                                                                                                                                                                                            LA JOLLA CANCER RESEARCH FOUNDATION INTERPRETATION: Interaction of Proteins Involved
                                                                                                                                                                                USA
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SYSTEM: PC-DOS/MS-DOS
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Pred. No. 6.49e-13;
25; Mismatches 51
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           FP-LJ 1361
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Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd

Run on: MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

Tabular output not generated. Wed May 6 09:41:12 1998; MasPar time 2.20 Seconds 229.083 Million cell updates/sec

Description: Perfect Score: Sequence: >US-08-320-157-21 (1-88) from US08320157.pep 643

1 MASGQGPGPPRQECGKPALP.....APWGRWDGSSPSPGRHQPAL 88

Scoring table: PAM 150 Gap 11

Searched: 62627 seqs, 5720858 residues

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

a-issued 1:backl 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 25.938; Variance 105.134; scale 0.247

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Result
213 777 777 777 777 777 777 777 777 777 7	Score
11111111111111111111111111111111111111	Query Match Length
211 429 1852 1863 1863 1863 1863 1863 1863 1863 1863	1
11 11 12 12 14 17 17 17 17 17 17 17 17 17 17 17 17 17	- BB
US-08-321 US-07-964 PCT-US93-0 PCT-US95-1 PCT-US95-1 US-08-483-1 US-08-483-1 US-08-483-1 US-08-480-1 US-08-480-1 US-08-480-1 US-08-184-4 PCT-US95-1 US-08-184-4 PCT-US95-0 PCT-US95-0 PCT-US95-0 PCT-US95-0 PCT-US95-0 PCT-US95-0 PCT-US95-0 PCT-US95-0	IJ
Sequence 16, Applicatio Sequence 2, Applicatio Sequence 2, Applicatio Sequence 24, Applicatio Sequence 2, Applicatio Sequence 16, Applicatio Sequence 16, Applicatio Sequence 175, Applicatio Sequence 175, Applicatio Sequence 175, Applicatio Sequence 8, Applicatio Sequence 8, Applicatio Sequence 8, Applicatio Sequence 8, Applicatio Sequence 9, Applicatio Sequence 9, Applicatio Sequence 2, Applicatio Sequence 3, Applicatio Sequence 3, Applicatio Sequence 4, Applicatio Sequence 5, Applicatio Sequence 6,	Description
1.33e+01 1.33e+01 2.73e+01 2.73e+01 2.73e+01 2.73e+01 2.73e+01 2.73e+01 2.73e+01 2.73e+01 3.26e+01 3.26e+01 3.26e+01 3.26e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01 3.89e+01	Pred. No.

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10.7	10.7	10.7	10.9	10.9	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.2	11.2	11.2	11.2	11.2
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US-08-157-		08-348-	US-08-056-	08-252-	PCT-US93-1	08-464-	08-357-	US-08-097-	PCT-US95-1	US-08-446-	08-446-	07-640-	US-08-462-	US-08-462-	5206152-7	PCT-US95-1	PCT-US95-1	US-08-494-	US-08-490-	PCT-US95-0	US-08-250-	-US95-1
Sequence	Sequence	Seguence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Patent No	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
2, App	5, App		94		2, App	25, App	8, App	13, Ap	8, App	20, Ap	20, Ap	3, Appl	ω '	۲	o. 520	162,	170, A	2, App	17, Ap	17, Ap	17, Ap	7, App
Applicatio	licatio	licatio	plicati	licatio	licatio	plicati	Applicatio	Applicati	Applicatio	plicati	Applicati	licatio	licatio	Applicatio	152.	Applicat	Applicat	Applicatio	plicati	plicati	, Applicati	licatio
6.59e+01	6.59e+01	'n	5.53e+01		5.53e+01			4.64e+01	4.64e+01	4.64e+01	4.64e+01	4.64e+01	4.64e+01	4.64e+01	4.64e+01	4.64e+01	4.64e+01	ω			ა . ც	

ALIGNMENTS

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	CITY: Washington Ol-Jan-1900 Sequence 16, Application US/08321071A. Sequence 16, Application US/08321071A Patent No. 5672686 GENERAL INFORMATION: APPLICANT: CHITTENDEN, Thomas D. TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS NUMBER OF SEQUENCES: 31 CORRESPONDENCE ADDRESS: ADDRESSEE: Hale and Dorr STREET: 1455 Pennsylvania Avenue, N.W. CITY: Washington	UT 1 US-08-321-071A-16 STANDARD; PRT; 211 AA.

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                                                                                     SEQUENCE
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                     159 ROWPOCATD-PASWAR-DGSGSRAG 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 2, Application US/07964589 Patent No. 5387676
  58
                                                    Local Similarity 36.0%;
                                                                                                                                                   TELEFAX: 415-543-4219
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Zavada, Jan
APPLICANT: Pastorekova, Silvia
APPLICANT: Pastorek, Jaromir
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Match 33.1%;
Local Similarity 78.0%;
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                                                                                  TOPOLOGY: linear
MOLECULE TYPE: protein
JENCE 429 AA; 47631 MW; 926009 CN;
                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 429 amino acids
TYPE: MINO ACID
                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
NAME: Lauder, Leona L
REGISTRATION NUMBER: 30,863
REFERENCE/DOCKET NUMBER: D-0
                                                                                                                                                                                                                                                                      COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy (
COMPUTER: IBM PC com)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: peptide
JENCE 211 AA; 23410 MW; 235207 CN;
                                                                                                                                                                         TELEPHONE: 415-777-9257
                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Pastorek, TITLE OF INVENTION: N
 QRWSPCPSNLAAPWGRWDGSSPSPG 82
                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH:
TYPE: a
                                                                                                                                                                                                                                     APPLICATION NUMBER: US
FILING DATE: 19921021
CLASSIFICATION: 435
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STREET: Steuart Street
STREET: Plaza
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS:
TOPOLOGY: 11r
                                                                                                                                                                                                                                                                                                                                     ZIP: 94105
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                                                                                                                                                                                                                                                                                                                                                                   CITY: San Francisco
                                                                                                                                                                       TELEPHONE:
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                                           Conservative
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Street Tower,
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                                                    Score 78; DB 4; I
Pred. No. 1.33e+01;
                                           12; Mismatches
                                                                                                                                                                                            D-0021
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                                                               Length 429;
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                                          Indels
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Best Local Similarity 36.0%;
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                     Sequence 24, Application US/08425061.
                                           01-JAN-1900
                                                                                    US-08-425-061-24
                                                                                                                                                                                                                 SEQUENCE
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                                                                                                                                      159 ROWPQCATD-PASWAR-DGSGSRAG 181
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GENERAL INFORMATION:
 Sequence 24,
                                                                                                                             58 QRWSPCPSNLAAPWGRWDGSSPSPG
                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: D-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-77-9257
TELEFAX: 415-543-4219
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/07/90
FILING DATE: 21-OCT-1992
ATTORNEY/AGENT INFORMATION:
NAME: Lauder, Leona L
REGISTRATION NUMBER: 30,863
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: CS P
FILING DATE: 10-MAR-1992
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                         MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patentin Rel
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: CIBA Corning Diagnostics Corp. APPLICANT: Institute of Virology TITLE OF INVENTION: MN Gene and Protein
                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                   TYPE: AMI
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                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
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                                                                                                                                                                                                                                                        LENGTH:
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Application US/08425061
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Steuart Street Tower,
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                                                                                                                                                                    Score 78; DB 12;
Pred. No. 1.33e+01;
12; Mismatches 2
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Best Local Similarity 32.8%;
Matches 22; Conservative
                                                                       Sequence 2, Application PC/TUS9510220.
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                                                                                                                                                                                                                                                                                                            SEQUENCE
                                                                                             01-JAN-1900
                                                                                                                                      PCT-US95-10220-2
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                                                   Sequence 2, Application PC/TUS9510220
                                                                                                                                                                                65 SNLAAPW 71
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TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 24:
                                          GENERAL
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                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
STRANDEDNESS: sinc
TOPOLOGY: linear
MOLECULE TYPE: prot
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APPLICANT:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 494-8700
                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, Richard A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 1852 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: PatentIn Rel CURRENT APPLICATION DATA:
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TITLE OF INVENTION: GENETIC MARKERS FOR BREAST AND OVARIAN
TITLE OF INVENTION: CANCER
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   APPLICANT:
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STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
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                                          INFORMATION:
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1852 AA; 206370 MW; 17856000 CN;
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Skolnick, Mark H.
Goldgar, David E.
Miki, Yoshio
Swenson, Jeff
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Pred. No. 2.73e+01;
10; Mismatches 28
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                                                              1503 S-LDDRW 1508
                                                                                                                                                                       SEQUENCE
                                          65
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PRIOR APPLICATION DATA:
APPLICATION UNMBER: US
FILING DATE: 07-UU-12
PRIOR APPLICATION DATA:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
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APPLICATION NUMBER: U
FILING DATE: 29-NOV-1
PRIOR APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                              FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
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                                         SNLAAPW 71
                                                                                   PPRQECGKPALPSA-SEE-QVAQDMEGFSAATFFTTISRNRRLKGRPPLPTQRWSP--CP 64
                                                                                                                                                                                                    TYPE: amino acids
                                                                                                                                                                                                                                   TELEPHONE: 202-962-8300
                                                                                                                                                                                                                                                                                       NAME: Ihnen, Jeffrey L. REGISTRATION NUMBER: 28,957
                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
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                                                                                                                           Similarity 32.8%;
22; Conservative
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1863 AA; 207719 MW; 18114269 CN;
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Futreal, P. Andrew
AVENTION: Method for Diagnosing a
Note of the Present and Ovarian Cancer
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Shattuck-Eidens, Do
Tavtigian, Sean V.
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STANDARD;
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                                                                                                                          Score 74; DB 14; LA
Pred. No. 2.73e+01;
10; Mismatches 28;
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1445 PEQSTSEKAVLTSQKSSEYPISQNPEGLSADKFEVSADSSTS-KNKEP-GVERSSPSKCP 1502
                                                                                   SEQUENCE
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                                     Local Similarity hes 22; Conser
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                                                                                                                                                     INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 08/409,305
FILING DATE: 24-MAR-1995
PRIOR APPLICATION UNMBER: US 08/348,824
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US FILING DATE: 07-JUN-1995 PRIOR APPLICATION DATA:
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MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
                                                                                                                             SEQUENCE CHARACTERISTICS:
LENGTH: 1863 amino acids
                                                                                                                                                                                                APPLICATION NUMBER: US 08/289,221
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-10
                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US 0 FILING DATE: 02-SEP-1994 PRIOR APPLICATION DATA:
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TITLE OF INVENTION:
                                                                                             MOLECULE TYPE:
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                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 08-308,104 FILING DATE: 16-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                      TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
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                                                                               LE TYPE: protein
1863 AA; 207719 MW; 18114269 CN;
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llarity 32.8%;
Conservative
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Durocher, Francine
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in the 17q-Linked Breast and Ovarian Cancer
Susceptibility Gene
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                                             Score 74; DB 14;
Pred. No. 2.73e+01;
                                  10; Mismatches 28;
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                  TELEFAX: 202-962-8300 INFORMATION FOR SEQ ID NO:
                                                                     APPLICATION NUMBER: US 08/300
FILING DATE: 02-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/289
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Thnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
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APPLICANT: Shattuck-Eidens, Donna M.
APPLICANT: Tavtiglan, Sean V.
APPLICANT: Wiseman, Roger W.
APPLICANT: Futreal, P. Andrew
TITLE OF INVENTION: 17g-Linked Breast and Ovarian Cancer
TITLE OF INVENTION: Susceptibility Gene
                                        TELEPHONE: 202-962-4810
                                                                                                                                                              APPLICATION NUMBER: US 08/348/824
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/308,104
FILING DATE: 16-SEP-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                APPLICATION NUMBER: US 0 FILING DATE: 24-MAR-1995 PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                    ZIP: 20005
COMPUTER READABLE FORM:
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                                                                REFERENCE/DOCKET NUMBER: 24884-109347
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         CHARACTERISTICS
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1201 New York Avenue, N.W., Suite 1000
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                                                           TELEFAX: 703-836-2021
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1863 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         65 SNLAAPW 71
                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9 PPRQECGKPALPSA-SEE-QVAQDMEGFSAATFFTTISRNRRLKGRPPLPTQRWSP--CP 64
                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: 1BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/598,591
FILING DATE: herewith
                                                                                                                                       CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Swecker, Robert S.
REGISTRATION NUMBER: 19,8
                   MOLECULE TYPE:
ORIGINAL SOURCE:
                                                                                                          REFERENCE/DOCKET NUMBER: 02
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-836-6620
                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
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APPLICANT: Alvares, Christopher P.
APPLICANT: Critz, Brenda S.
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                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: A Consensus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: ami
                                                                                                                                                                                                                                                                   COUNTRY:
ZIP: 223
                                      TYPE: amino acid
STRANDEDNESS: not rele
TOPOLOGY: not relevant
                                                                                                                                                                                                                                                                                                CITY: Alexandria
                                                                                                                                                                                                                                                                                                         STREET:
                                                                                                                                                                                                                                                                                                                    ADDRESSEE:
           ORGANISM:
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ilarity 32.8%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                               Schelter, Denise B
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           Homo sapiens
                              protein
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                                                  not relevant
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19,885
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Pred. No. 2.73e+01
10; Mismatches 2
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Query Match
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CHROMOSOME/SEGMENT: 17
CHROMOSOME/SEGMENT: 17
MAP POSITION: 17921
SEQUENCE 1863 AA; 207661 MW; 18087089 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-487-002-2
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                                                                                                                                                 FILING DATE:

CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/409,305
FILING DATE: 24-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/348,824
FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA:
                      APPLICATION NUMBER: US 08/308,104
FILING DATE: 16-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/300,266
FILING DATE: 02-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/289,221
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT IMPORMATION:
NAME: Innen, Jeffrey L.
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APPLICANT:
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APPLICANT:
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TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
TITLE OF INVENTION: Susceptibility Gene
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,002
                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
            NAME: Ihnen, Jeffrey L. REGISTRATION NUMBER: 28,957
                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE:
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                                                                                                                                                                                                                                                                                                                                                                                         CITY: Washington
STATE: DC
                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: Venable, Baetjer, Howard & Civiletti, STREET: 1201 New York Avenue, N.W., Suite 1000
 REFERENCE/DOCKET NUMBER:
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ilarity 32.8%;
Conservative
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                                                                                                                                                                                                                                                                                                                                     Floppy disk
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Pred. No. 2.73e+01
 24884-109347
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Matches 2
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TELEPRIONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1863 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE 1863 AA; 207719 MM; 18114269 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1503 S-LDDRW 1508
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GENERAL INFORMATION
      CLASSIFICATION:
PRIOR APPLICATION NUMBER: US
APPLICATION NUMBER: US
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/409,305
FILING DATE: 24-MAR-1995
PRIOR APPLICATION NUMBER: US 08/348,824
APPLICATION NUMBER: US 08/348,824
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APPLICANT:
APPLICANT:
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                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti,
STREET: 1201 New York Avenue, N.W., Suite 1000
                                                                                                                                                                                                                                                                                                             APPLICANT: Wiseman, Roger W.
APPLICANT: Futreal, P. Andrew
TITLE OF INVENTION: 17q-Linked Breast and Ovarian Cancer
TITLE OF INVENTION: Susceptibility Gene
                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
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                                                                                                                    APPLICATION NUMBER: PCT/US95/10203 FILING DATE:
                                                                                                                                                                                                                    ZIP: 20005
                                                                                                                                                                                                                                          CITY: Washington
STATE: DC
                                                                                                                                                                                                                              COUNTRY:
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llarity 32.8%;
Conservative
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Shattuck-Eidens, Donna M.
Tavtigian, Sean V.
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  29-NOV-1994
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Pred. No. 2.73e+01;
10; Mismatches 28
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Matches 2
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MOLECULE TYPE: prot
SEQUENCE 1863 AA; 2077
                                                                                                                                                                                                                                                                                                                          Sequence 2, Application US/08480784.
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                                                                                                                                                                                                                                                                                                                                                                                             US-08-480-784-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 2488
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEPAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                       XXXXX
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08,
FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9 PPRQECGKPALPSA-SEE-QVAQDMEGFSAATFFTTISRNRRLKGRPPLPTQRWSP--CP 64
                                                                                                                                                             APPLICANT:
ZIP: 20005
COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 1863 amino acids
TYPE: amino acid
                                                                                                                 NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                     APPLICANT: Futreal, P. Andrew TITLE OF INVENTION: 17q-Linked TITLE OF INVENTION: Susceptib
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 16-SEP-
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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US 08-308,104
                                                                   STREET: 120.
CITY: Washington
                                                           COUNTRY:
                                                                                                        ADDRESSEE:
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                                                                                                                                                                                                                                                                              INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LE TYPE: protein
1863 AA; 207719 MW; 18114269 CN;
                                                                                           E: Venable, Baetjer, Howard & Civiletti, LLP 1201 New York Avenue, N.W., Suite 1000
                                                           USA
                                                                                                                                                                                  Harshman, Keith D.
Shattuck-Eidens, Donna M.
Tavtigian, Sean V.
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Miki, Yoshio
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                                                                                                                             17q-Linked Breast and Ovarian Cancer
Susceptibility Gene
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Pred. No. 2.73e+01;
10; Mismatches 28
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                                                                                                                                                            Sequence 16, Application US/08425061 Patent No. 5622829
                                                                                                                                                           Patent No.
                                                                                                                        GENERAL INFORMATION:
APPLICANT: KING, I
APPLICANT: FRIEDM
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nes 22; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 1863 amino acids
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FILING DATE: 12-AUG-1994
ATTORNEY/AGENT INFORMATION:
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                     NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
                                           APPLICANT: LEE, Ming
TITLE OF INVENTION: GENETIC MARKERS FOR BREAST
TITLE OF INVENTION: CANCER
                                                                                                   APPLICANT:
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APPLICATION NUMBER: 1
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                                                                             APPLICANT:
                                                                                          APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Ihnen, Jeffrey L. REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 0 FILING DATE: 24-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 16-SEP-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 435
 STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US 08/308,104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/480,784
           ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                 JE TYPE: protein
1863 AA; 207719 MW; 18114269 CN;
                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid
E: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT 4 Embarcadero Center, Suite 3400
                                                                            ROWELL, Sarah
LYNCH, Eric
SZABO, Csilla
                                                                                                                         KING, Mary-Claire FRIEDMAN, Lori
                                                                                                              OSTERMEYER, Beth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
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                                                                                                                                                                                                                                                                STANDARD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US 08/300,266
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                                                                                                                                                                                                                                                                                                                                                                                                       10;
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Pred. No. 2.73e+01;
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                                                                                                                                                                                                                                                                1863 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                           Length 1863;
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Best Local Similarity
Matches 22; Conser
                                                                                                                                                                                                                                                       STIMULATING FACTOR RECEPTORS
NUMBER OF SEQUENCES: 6
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                             BENSON, CURTIS M.
TITLE OF INVENTION: DNA SEQUENCES ENCODING GRANULOCYTE-COLONY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1503 S-LDDRW 1508
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1445 PEQSTSEKAVLTSQKSSEYPISQNPEGLSADKFEVSADSSTS-KNKEP-GVERSSPSKCP 1502
 SEQUENCE
                                    SEQ ID NO:4:
                                                                                                                                                                                                                                                                                                                                                                                                        Patent No. 5422248.
                                                                                                                                                                                                                                                                                                                                                                                                                                              01-JAN-1900
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TELEPHONE: (415) 494-8700
TELEPAX: (415) 494-8771
TELEFAX: (415) 494-8771
TELEX: 910 277299
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 1863 amino acids
                                                                                                                                                                                                                                                                                                                                                                      Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             65 SNLAAPW 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9 PPRQECGKPALPSA-SEE-QVAQDMEGFSAATFFTTISRNRRLKGRPPLPTQRWSP--CP 64
                                                                                                                                                                                                APPLICATION NUMBER: US/OFILING DATE: 15-JAN-1993 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                     APPLICATION NUMBER: 587,329
FILING DATE: 24-SEP-1990
APPLICATION NUMBER: 522,952
FILING DATE: 03-APR-1990
APPLICATION NUMBER: 416,306
FILING DATE: 03-OCT-1989
                                                                                                                                                                                                                                                                                                                                                 APPLICANT: SMITH, CRAIG A.; LARSEN, ALF D.; SIMS, JOHN E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 1863 amino ac
TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION: 435
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                                                   FILING DATE:
                                                                        APPLICATION NUMBER:
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LENGTH: 53
CE 58 AA;
                                                                                                                                                                                                                                                                                                                                                                    5422248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LE TYPE: protein
1863 AA; 207673 MW; 18114452 CN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11.5%;
llarity 32.8%;
Conservative
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 6175 MW; 22864 CN;
                                                       26-SEP-1989
                                                                        412,816
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Pred. No. 2.73e+01
10; Mismatches 28
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                                                                                                                    TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
TELEX: 421792
INFORMATION FOR SEQ ID NO: 175:
SEQUENCE CHARACTERISTICS:
LENGTH: 191 amino acids
                                               SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 175, Application PC/TUS9510398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-JAN-1900
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 175, Application PC/TUS9510398
GENERAL INFORMATION:
APPLICANT: BURKH, J., MILLER, R.H. AL
                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/086,428
FILING DATE: 29 JUNE 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/290/665
FILING DATE: 15 AUGUST 1994
ATTORNEY/AGENT INFORMATION:
NAME: RICHARD W. BORK
            Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       50
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local
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TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: A
TITLE OF INVENTION: S
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14
                                                                              ORIGINAL SOURCE:
                                                                                                                                                                                      REGISTRATION NUMBER: 36,459
REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOTWARE: WORDERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KGRPPLPTQRWSPCPSNLAAPWGRW 74
                                                                  ORGANISM:
                                                                                        STRANDEDNESS:
TOPOLOGY: unl
                                                                                                                                                                                                                                                                                                              CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/US95/10398 FILING DATE: 15-AUG-1995
                                              INDIVIDUAL ISOLATE:
CE 191 AA; 20708
                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADDRESSEE:
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Similarity 36.0%;
9; Conservative
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   11.4%;
llarity 27.3%;
Conservative
                                                                                                             amino acid
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                                              AA; 20708 MW; 183619 CN;
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                                                                                         unknown
                                                                  homosapiens
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                                                                                                   unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE AND DEDUCED
AMINO ACID SEQUENCES OF THE ENVELOPE 1 AND
CORE GENES OF ISOLATES OF HEDATITIS C VIRUS
AND THE USE OF REAGENTS DERIVED FROM THESE
SEQUENCES IN DIAGNOSTIC METHODS AND VACCINES
263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MILLER, R.H. AND
Score 73; DB 14; Length 191;
Pred. No. 3.26e+01;
11; Mismatches 11; Indels
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8; }
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Pred. No. 3.
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FILING DATE: 02-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: A-59
TELECOMMUNICATION: INFORMATION:
TELEPHONE: (415) 494-8770
TELEPHONE: (415) 494-8771
TELEFX: 210 277299
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-818-823-6
                                                                                                                                                                                                                     SEQUENCE
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                                               213 SPLPSPRASPRPWTPEDPWSLY-GPSPG-GR 241
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                                                                                                                                                     SEQUENCE STATE OF TABLE TYPE: Amino acid TYPE: Amino acid TOPOLOGY: linear MOLECULE TYPE: protein MOLECULE TYPE: 95472 MW; 4/2 MW; 4/2
53 PPLPTQRWSPCPSNLAAPWGRWDGSSPSPGR
                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION: APPLICANT: HOEY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                43 ISRNRRLKGRP-PLPTQRWSPCPSNLAAPWGRW
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 14-MAR-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: NUCLEAR FACTORS AND BINDING NUMBER OF SEQUENCES: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 4 Embarcades
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/818,823
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larity 45.2%;
Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
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                                                                                                        Score 73; DB 8;
Pred. No. 3.26e+01
5; Mismatches 1
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                                                                                                          10;
                                                                                                                                                          Length 902;
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Search completed: Wed May Job time : 10 secs.

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Run on: MPsrch_pp protein - protein database search, using Smith-Waterman algorithm

Tabular output not generated. Wed May 6 09:43:42 1998; MasPar time 3.57 Seconds 336.920 Million cell updates/sec

Title:

Sequence: Description: Perfect Score: >US-08-320-157-22 (1-210) from US08320157.pep 1554 1 MASGQGPGPPRQECGEPALP.....LVVLGVVLLGQFVVRRFFKS 210

Scoring table: PAM 150 Gap 11

Searched: 62627 seqs, 5720858 residues

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

a-issued 11:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 30.519; Variance 143.876; scale 0.212

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

22221175 222221775 222221775 222221775 222221775 222221775 2222221775	Result
453 453 378 378 2560 2560 2554 2550 2554 2450 2450 2450 2450 245	Score
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54 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	- : -
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US-08-321- US-08-321- US-08-321- PCT-US96-0 US-08-081- PCT-US95-0 US-08-607- US-08-607- US-08-607- US-08-08-133- PCT-US95-0 US-08-08-13- PCT-US95-0 US-08-08-1- PCT-US95-0 US-08-08-1- PCT-US95-0 US-08-08-1- US-08-08-1- US-08-248-5 US-08-344-5 US-08-081- PCT-US94-0	
Sequence 15 Applicati Sequence 21 Applicati Sequence 21 Applicati Sequence 14 Applicati Sequence 14 Applicati Sequence 2 Applicati Sequence 2 Applicati Sequence 2 Applicati Sequence 29 Applicati Sequence 29 Applicati Sequence 24 Applicati Sequence 27 Applicati Sequence 28 Applicati Sequence 29 Applicati Sequence 29 Applicati Sequence 20 Applicati Sequence 21 Applicati Sequence 23 Applicati Sequence 23 Applicati Sequence 23 Applicati Sequence 23 Applicati Sequence 24 Applicati Sequence 27 Applicati Sequence 28 Applicati	ion
1.40e-12 3.18e-23 4.38e-23 9.58e-13 9.58e-13 9.58e-13 3.02e-12 3.02e-12 6.47e-12 6.47e-12 6.47e-12 1.68e-11 1.68e-11 1.45e-11 2.45e-11 2.45e-11 2.45e-11 2.45e-11	;;0

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,8	8, App	Sequence 3, Appl	Sequence 16, App	Sequence 3, Appl	16,	•	21,	22,		22,	11	ω	10	Sequence 10, App	20,	20,	Sequence 5, Appl	0. 54	Sequence 12, App	Sequence 51, App	Patent No. 5506344	Sequence 52, App
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	TELEFAX: 202-9484	THE FULL OF 101 101 101 101 101 101 101 101 101 10	₹	REFERENCE/DOCKET NUMBER: 104322.121CTP	TRATION	•	/AGENT I	٠.	APPLICATION NUMBER: 08/287,427	PLICATIO	: 09-AUG-	APPLICATION NUMBER: PCT/US95/10103		CLASSIFICATION: 514	FILING DATE: 11-00T-1994	VIDITIONALON UTIMOTH. TIC /00 /301 071;	SOFTWARE: PatentIn Release #1.0, Version #1.25	SYSTEM: PC-DOS/MS-DOS	IBM PC	MEDIUM TYPE: Floppy disk	ודי	N		CITY: Washington	1 And Donnaid World	CE ADDRESS:	NOTIFIED SECONDES SI	INVENTION: C	TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS	APPLICANT: CHITTENDEN, Thomas D.	GENERAL INFORMATION:	o. 5672686	Sequence 16, Application US/08321071A	הפלחפוירם בה, טבּבּדרמנדהם הפל הפספדה ודטי	7	01-JAN-1900	22222	AAAAAA	LT 1 US-08-321-071A-16 STANDARD; PRT; 211 AA.

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    COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: PATENTIN Release #1.0, Version #1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/321,071A
FILING DATE: 11-OCT-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10103
FILING DATE: 09-AUG-1995
PRIOR APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT IMPORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REGISTRATION NUMBER: 104322.121CIP
TELEPAN: 202-942-8400
TELEPAN: 202-942-8401
TELEPAN: 202-942-8401
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INFORMATION FOR
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: peptide
JENCE 211 AA; 23410 MW; 235207 CN;
                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                 APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF
                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LNLGNGPILNVLVVLGVVLLGQFVVRRFFKS 211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VTLPLOPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFE 120
                                                                                                                                                                                                                                                            STATE: D.C. 20004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFE 120
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                                                                                                                                                                                                                                                                                         CITY: Washington
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Similarity 99.1%;
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1455 Pennsylvania Avenue, N.W
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SEQ ID NO:
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Pred. No. 1.46e-126;
Prematches 0;
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                                            SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Patent No.
                                                                                                                    REFERENCE/DOCKET NUMBER: 10
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
TELEFAX: 202-942-8464
INFORMATION FOR SEQ ID NO: 21:
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Local Similarity 100.0%;
tes 54; Conservative
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                                                                                                                                                                                                                              APPLICATION NUMBER: PCT/
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 57 amino acids
                                            MOLECULE TYPE: peptide
MENCE 54 AA; 6172 MW;
                                                                                                           SEQUENCE CHARACTERISTICS:
                                                                                                                                                                         FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,0
                                                                                                                                                                                                                                                              CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION:
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OPERATING SYSTEM:
SOFTWARE: Patenti
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STRANDEDNESS: sir
TOPOLOGY: linear
                                                                STRANDEDNESS:
TOPOLOGY: lir
                                                                                    TYPE: amino acid
                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/321,071A
FILING DATE: 11-OCT-1994
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                                                                                                LENGTH:
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  Similarity
53; Conse
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57 AA; 6559 MW; 15838
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 24.3%;
llarity 98.1%;
Conservative
                                                                                                54 amino acids
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VENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
VENTION: OF USE THEREOF
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SYSTEM: PC-DOS/MS-DOS
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                                            15712 CN;
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Pred. No. 3.18e-29;
0; Mismatches 0
Score 378; DB 7; Lo
Pred. No. 9.68e-23;
0; Mismatches 0;
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                               PCT-US96-06122-14
                                                                                                                                                      SEQUENCE
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                                                                                                            Match 22.3%;
Local Similarity 100.0%;
es 49; Conservative
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LENGTH: 49 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO:
                                                                                1 VGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESG 49
                                                                                                                                                    MOLECULE TYPE: peptide
JENCE 49 AA; 5639 MW; 7
                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
TELEFAX: 202-942-8484
                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/287,427
FILLING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Rel
                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: APTITLE OF INVENTION: OF NUMBER OF SEQUENCES: 3
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APPLICATION NUMBER: 1
                                                                    STATE: D.C. 20004
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                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/08/321,071A FILING DATE: 11-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                          NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
                                                                                                                                                                                                                                                                                                                                            FILING DATE:
                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Washington
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                               STANDARD;
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                                                                                                                                                      12778 CN;
                                                                                                                    Score 347; DB 7;
Pred. No. 4.38e-20;
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Best Local Similarity 100.0%;
Matches 36; Conservative
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                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide SEQUENCE 36 AA; 4120 MW; (
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                                                                                                                                  Sequence 14, Application US/08440391.
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                                                                                                   Sequence 14, Application US/08440391 Patent No. 5656725
                                                                                       Patent No. 5656725
GENERAL INFORMATION:
                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 36 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 1043
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT AFFLICATION NUMBER: PCT/U
APPLICATION NUMBER: PCT/U
FILING DATE: HEREWITH
CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 0
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hale and Dorr
STREET: 1455 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: D.C.
ZIP: 20004
COMPUTER READABLE FORM:
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ADDRESSEE: Hale and Dorr
STREET: 1455 Pennsylvania Avenue, N.W.
                                          APPLICANT: CHITTENDEN, Thomas D.; and APPLICANT: LUTZ, Robert J.
TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS TITLE OF INVENTION: MODULATE APOPTOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
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                                   NUMBER OF SEQUENCES:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IBM PC compatible
SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                   STANDARD;
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                                                                                                                                                                                                                                                                                                    Score 260; DB 15; Pred. No. 9.58e-13;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE
                                                                                                                                                                                                                                                                                 patent No. 5646008
                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
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Local Similarity 100.0%;
les 36; Conservative
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TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
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NAME: WIXON, HERRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 1043
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                           1 LQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHL 36
                                                                                                                   ZIP: 60610
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                    NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, W
STREET: 321 No. 5646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: peptide
SENCE 36 AA; 4120 MW; 6096 CN;
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LENGTH: 36 base pairs
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
          ATTORNEY/AGENT INFORMATION:
NAME: No. 5646008thrup, Thomas E
REGISTRATION NUMBER: 33,268
                                                                                                                                                                                                                             TITLE OF INVENTION: Vertebrate Apoptosis Gene:
                                                                                                                                                                                                                                                    APPLICANT: Thompson, Craig B. APPLICANT: Boise, Lawrence H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20004
COMPUTER READABLE FORM:
                                                                                                                                                                 STREET: 321 NO CITY: Chicago STATE: IL
                                                                                                                                                                                                                                                                                                                                                                                                                                 LQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHL 100
                                                     APPLICATION NUMBER: US
FILING DATE: 19930622
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FILING DATE: 12-MAY-1995
                                            CLASSIFICATION:
                                                                                                                                                    COUNTRY:
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  REFERENCE/DOCKET NUMBER:
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5646008th Clark Street, Suite 800
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Pred. No. 9.58e-13;
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Best Local Similarity 28.2%;
Matches 37; Conservative
                                 NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE,DOCKET NUMBER: ARCD
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEPAX: 713-789-2679
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                     COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94
FILING DATE: CONCURRENTLY F:
                                                                                                                                                                                                                                                   COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                             APPLICATION NUMBER: 08/08 FILING DATE: 22 JUNE 1993 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION:
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TELEPHONE: 312-744-0090
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LENGTH: 150 _____
TENGTH: 150 ____
Tinear
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TOPOLOGY: linear
                                                                                                                                                                               CLASSIFICATION:
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190 AA; 21467 MW; 192890 CN;
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                        190 amino acids
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                                                                                                                                                                                                                                                   Floppy disk
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Compositions and Methods
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Pred. No. 1.40e-12;
32; Mismatches 59;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Patent No. 5702897
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Reed, John C.
APPLICANT: Sato, Takaski
TITLE OF INVENTION: Interaction of Proteins Involved
TITLE OF INVENTION: Cell Death Pathway
NUMBER OF SEQUENCES: 29
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                                                             SEQUENCE
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I6.3%;
Local Similarity 28.3%;
hes 30; Conservative
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Local Similarity 28.2%;
les 37; Conservative
                                                                                                                        TELEPHONE: (619) 535-9
TELEFAX: (619) 535-89
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 236 amino acid
                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 13-APR-1994
                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                              NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31.815
REFERENCE/DOCKET NUMBER: P-LJ
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                            ATTORNEY/AGENT INFORMATION:
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                                                         TOPOLOGY: linear
ICE 236 AA; 26679 MW; 437248 CN;
                                                                                                                                                                                                                                                                                            APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: San Diego
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                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                                                                   amino acid
                                                                                                                                                                                                                                                                                                                                                                                                             California
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4370 La Jolla Village Drive,
                                                                                                  236 amino acids
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Pred. No. 1.40e-12;
Mismatches 59;
       Score 254; DB 8; Length 236
Pred. No. 3.02e-12;
23; Mismatches 51; Indels
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                                  Length 236;
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                                  US-08-607-269-24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             154 MCVXSVXXEMXPLVXXIAXWMTXYLNRH-LXXWIQDNGGWDXFVEL 198
                                                                                137 LALHVYQHGLTGFLGQVTRFVVDFMLHHCIARWIAQRGGWVAALNL 182
                                                                                                         154 MCVXSVXXEMXPLVXXIAXWMTXYLNRH-LXXWIQDNGGWDXFVEL 198
                                                                                                                                                                        Local Similarity 28.3%;
hes 30; Conservation
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                       94 LRRAGDXFXRRYXRXFXXMXXQLHLTPXTAXXXFXXVVXELFRDGVNWGRIVAFFXFGGX 153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: Interaction:
TITLE OF INVENTION: a Cell Death Pathway
TITLE OF CHORENCES: 29
                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: FP TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESG-NWGRVVALLGFGYR 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LRRAGDXFXRRYXRXFXXMXXQLHLTPXTAXXXFXXVVXELFRDGVNWGRIVAFFXFGGX 153
                                                                                                                               LAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATSLFESG-NWGRVVALLGFGYR 136
                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0,
                                                                                                                                                                                                                                                        TYPE:
                                                                                                                                                                                                                                                                                                                                                      NAME: Imbra, Richard J. REGISTRATION NUMBER: 37,643
                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: PCT/
FILING DATE: 12-APR-1995
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                                                                                                                                                                                                                                            TOPOLOGY:
                                                                                                                                                                                                                                                                  LENGTH:
                                                                                                                                                                                                                                                                                                                  TELEPHONE:
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                                                                                                                                                                                                                               236 AA; 26679 MW; 437248 CN;
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                                                                                                                                                                                                                                                                                                                  (619) 535-9001
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                                   STANDARD;
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                                                                                                                                                                              Score 254; DB 14;
Pred. No. 3.02e-12;
23; Mismatches 51
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                                                           01-JAN-1900
                                  Sequence 59, Application US/08333565.
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                                                                                                           US-08-333-565-59
                                                                                                                                                                                                                                                                                                                                                            SEQUENCE
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Sequence 59, Application US/08333565 Patent No. 5622852
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                                                                                                                                                                                                                                                           48
                                                                                                                                                                                                                                                                                                                      Local
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TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 24:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/226,
FILING DATE: 13-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
                                                                                                                                                                                                                                                                                  61 DSPAVNGATAHS-SSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTA 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: P-ITELECOMMUNICATION INFORMATION: TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive,
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                                                                                                                                                                                                                                YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
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                                                                                                                                                                                                          YEYFTKIATSLFESG-NWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCI 166
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                                                                                                                                                                                                                                                                                                        Similarity 25.5%;
36; Conservation
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                                                                                                           STANDARD;
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Pred. No. 6.47e-12;
41; Mismatches 60
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                                                                                          Sequence 24, Application PC/TUS9504600 GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: KORSME
                                 APPLICANT: LA JOLLA CANCER RESEARCH FOUNDATION
TITLE OF INVENTION: Interaction of Proteins Involved
TITLE OF INVENTION: a Cell Death Pathway
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 15
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 31-OCT-1994
CLASSIFICATION: 435
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MEDIUM TYPE: Floppy disk
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ADDRESSEE: Townsend and Townsend Khourie and Crew
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TITLE OF INVENTION: REGULATOR
NUMBER OF SEQUENCES: 59
                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M
                                                                                                                                                                                                                                                                                                 YEYFTKIATSLFESG-NWGRVVALLGFGYRLALHVYQHGLTGFLGQVTRFVVDFMLHHCI 166
                                                                                                                                                                                                                                                                                                                       YQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDH-L 178
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STATE: California
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                        ADDRESSEE:
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amino acid
        4370 La Jolla Village Drive, Suite 700
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ENTION: Bcl-x/Bcl-2 ASSOCIATED CELL DEATH
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Pred. No. 6.47e-12;
41; Mismatches 60
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                                                                                                                                                                                                                 Sequence 6, Application US/08081448 Patent No. 5646008
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TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 233 amino acids
                                                                                                                                                                                                       GENERAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Imbra, Richard J.
REGISTRATION NUMBER: 37,643
REFERENCE/DOCKET NUMBER: FP-1
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
        ZIP: 60610

COMPUTER READABLE FORM:

COMPUTER FLORDY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, W
STREET: 321 No. 5646
                                                                                                                                                    APPLICANT: Thompson, Craig B.
APPLICANT: Boise, Lawrence H.
TITLE OF INVENTION: Vertebrate Apoptosis Gene:
TITLE OF INVENTION: Compositions and Methods
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
  CURRENT APPLICATION DATA:
                                                                                                                                              NUMBER OF SEQUENCES:
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                                                                                        CITY: Chicago
STATE: IL
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                                                                           COUNTRY:
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                                                                                                                                                                                                     INFORMATION:
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llarity 25.5%;
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5646008th Clark Street,
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Pred. No. 6.47e-12;
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Local Similarity 25.5%;
nes 36; Conservative
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APPLICANT:
                    CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION UNMBER: 08/081
FILING DATE: 22 JUNE 1993
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, David L.
REGISTRATION UNMBER: 32,16
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: protein
JENCE 233 AA; 26063 MW; 275311 CN;
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FILING DATE: 19930522
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                           OPERATING SYSTEM: PC-D
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION:
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CORRESPONDENCE ADDRESS:
     TELECOMMUNICATION INFORMATION:
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ZIP: 77210
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    233 amino acids
amino acid

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P.O. Box 4433
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Floppy disk
Floppy disk
IBM PC compatible
OFFICERM: PC-DOS/MS-DOS, ASCII
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                                                                                                                                             08/081.448
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Pred. No. 6.47e-12;
41; Mismatches 60;
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Scoring table:	Title: Description: Perfect Score: N.A. Sequence: Comp:	Run on: Wed May 6 2 Tabular output not generated.	MPsrch_nn n.a.	Releass Copyri	
TABLE default	>US-08-320-157-8 (1-1287) from US08320157.seq 1287 1 TTTTAATATATATATGTGCCTCAAGAGTACAGAAGCTT 1287 AAAATTATATATTTACACGGAGTTCTCATGTCTTCGAA	Wed May 6 23:50:50 1998; MasPar time 74.78 Seconds 907.151 Million cell updates/sec ot generated.	- n.a. database search, using Smith-Waterman algorithm	Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd	

Sco Gap σ

Nmatch STD: Dbase 0; Query 0

Searched: 102136 seqs, 26354296 bases ×

Post-processing: Minimum Match 08 Listing first, 45 summaries

Database: n-issued

1:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 8.915; Variance 4.867; scale 1.832

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

c 18 19	1151	c 11 c 13	98765	221	Result No.
24	22546	37 35 31	344489 93362	766 91 91 82	Score
1.9	1.9			59.5 7.1 7.1	Query Match
105 198	75 75	39 215 215 7218	7218 45 45 39	1968 93 93	Length
14 11	14	15 6 7	15 7 15	15	DB
PCT-US93-1 US-07-865- PCT-US92-1	PCT-US95-1 PCT-US95-1 PCT-US95-1	PCT-US96-0 US-08-238- US-08-238- US-08-232-	PCT-US96-0 US-08-232- US-08-440- PCT-US96-0 US-08-440-	US-08-321- US-08-440- US-08-440- PCT-US96-0	ID
Sequence 13, Sequence 16,		5, 5 ₁	17, 14, 19,	Sequence 17, Sequence 15, Sequence 15, Sequence 17,	Description
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Patent No. Sequence 1 Patent No.	Sequence Patent No Sequence	Sequence Sequence Sequence	Sequence Sequence	Sequence Sequence	Sequence Sequence	Sequence	Sequence Sequence	Sequence Sequence	Sequence	Sequence	equenc	Sequence
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ALIGNMENTS

RESULT 1
ID US-08-321-071A-17 STANDARD; DNA; UNC; 1968 BP.

Sequence 17, Application US/08321071A Patent No. 5672686
GENERAL INFORMATION:
APPLICANT: CHITTENDEN, Thomas D. Sequence 17, Application US/08321071A. 01-JAN-1900 XXXXXX APPLICANT: CHITTENDEN, Thomas D.
TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:

CITY: Washington
STATE: D.C.
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMpatible
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ve
CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/321,071A
FILING DATE: 11-OCT-1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10103
FILING DATE: 09-AUG-1995
PRIOR APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/ACENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104322.121CIP
TELECOMMUNICATION INFORMATION: STREET: ADDRESSEE: Hale and Dorr Version #1.25

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Best Local S
Matches 79
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SEQUENCE CHARACTERISTICS:
LEMGTH: 1968 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                  1259
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N
                                                          AGGGGTCCCCCCCCCAAGAGTACAGAAGCTT
                                                                                               GTCCCGGTTCAGACCCCTGCCTGGACTTAAGCGAAGTCTTTGCCTTCTCTCTGTTCCCTTGC 780
                                                                                                                                                GTTGGGCCAGTTTGTGGTACGAAGATTCTTGAAATCATGACTCCCAAGGGTGCCCTTTGG 720
                                                                                                                                                                                                                                           CGACTTCATGCTGCATCACTGCATTGCCCGGTGGATTGCACAGAGGGGTGGCTGGGTGGC 600
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                                                                               GTCCCAGTTCAGACCCCTGCCTGGACTTAAGCGAAGTCTTTGCCTTCTCTGCTCC-TTGC
                                                                                                                               GTTGGGCCAGTTTGTGGTACGAAGATTCTTCAAATCATGACTCCCAAGGGTGCCTTTGGG
                                                                                                                                                                               AGCCCTGAACTTGGGCAATGGTCCCATCCTGAACGTGCTGGTGGTTCTGGGTGTGGTTCT
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Similarity 97.9%;
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Pred. No. 0.00e+00;
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Best Local Similarity 98.9%;
Matches 92; Conservative
Sequence 15, Application GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA (genomic)
Sequence 93 BP; 22 A; 31 C; 26 G; 14 T; 0 other;
                               Sequence 15, Application PC/TUS9606122
                                                       01-JAN-1900
                                                                            XXXXXX
                                                                                                             PCT-US96-06122-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 15, Application Patent No. 5656725
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                                                                                                                                                         820
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                                                                                                                                                                                                 760 CAGGTGGGACGCCAGCTCGCCATCATTGGGGGACGACATCAACCGACGCTATGACTCAGAG 819
                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 202-942-8484 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                   61 TTCCAGACCATGTTGCAGCACCTGCAGCCCACG
                                                                                                                                                                                                               1 CAGGTGGGACGCCAGCTCGCCATCATCGGGGACGACATCAACCGACGCTATGACTCAGAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 93 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                      REFERENCE/DOCKET NUMBER: 10.
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH TITLE OF INVENTION: MODULATE APOPTOSIS NUMBER OF SEQUENCES: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: CHITTENDEN, 7
APPLICANT: LUTZ, Robert
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Hale ar
STREET: 1455 Penns
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cli...
STATE: D...
20004
                                                                                                                                                    TTCCAGACCATGTTGCAGCACCTGCAGCCCACG
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TOPOLOGY: lin
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1455 Pennsylvania
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CHITTENDEN, Thomas D.;
                                                                                                                                                                                                                                                                                                                linear
                                                                                                            STANDARD;
                                                                                                                                                                                                                                                                                                                        single
           PC/TUS9606122
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Pred No. 3.25e-46;
                                                                                                            DNA;
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                                                                                                            UNC;
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Matches
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                                                                                                          Sequence 17, Application US/08440391 Patent No. 5656725
                                                                                                                                           Sequence 17, Application US/08440391
                                                                                                                                                                     01-JAN-1900
                                                                                                                                                                                                                              US-08-440-391-17 STANDARD; DNA; UNC; 84
                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: DNA (genomic) Sequence 93 BP; 22 A; 31 C; 26 G; 14 T; 0 other;
                                                                                                                                                                                             XXXXXX
                                                                                                                                                                                                                                                                                820
                                                                                           atent No. 5656725
GENERAL INFORMATION:
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TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                       61 TTCCAGACCATGTTGCAGCACCTGCAGCCCACG 93
                                                                                                                                                                                                                                                                                                                                                                       7.1%;
Local Similarity 98.9%;
es 92; Conservation
                     APPLICANT: CHITTENDEN, Thomas D.; auu APPLICANT: LUTZ, Robert J.
TITLE OF INVENTION: MOVEL PEPTIDES AND COMPOSITIONS WHICH
TITLE OF INVENTION: MODULATE APOPTOSIS
NUMBER OF SEQUENCES: 34
                                                                                                                                                                                                                                                                                                                                                     1 CAGGTGGGACGCCAGCTCGCCATCATCGGGGACGACATCAACCGACGCTATGACTCAGAG 60
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SOFTWARE: PatentIn Release #1.0, ..
CURRENT APPLICATION DATA:
CURRENT APPLICATION NUMBER: PCT/US96/06122
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104322.147PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: U. 20004
                                                                                                                                                                                                                                                                               TTCCAGACCATGTTGCAGCACCTGCAGCCCACG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
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             ADDRESSEE:
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E: Hale and Dorr
1455 Pennsylvania Avenue, N.W.
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VENTION: NOVEL PEPTIDES AND COMPOSITIONS
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Sequence 84 BP; 20 A; 26 C; 26 G; 12 T; 0 other;
                                                                                                                                                                                                                                                  Sequence 17, Application PC/TUS9606122
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                                                                                                                                                                                                                                                                                                                                                                                                         802 CGACGCTATGACTCAGAGTTCCAG 825
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                      GENERAL INFORMATION:
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Local Similarity 98.8%;
hes 83; Conservative
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440,391
FILING DATE: 12-MAY-1995
CLASSIFICATION: 435
CLASSIFICATION: 435
CLASSIFICATION: 437
                   COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/06122
FILING DATE: HEREWITH
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-942-8400
                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                           NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                 APPLICANT: IMMUNOGEN, INC.
TITLE OF INVENTION: WHICH MODULATE
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NAME: WIXON, HENRY N.
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MEDIUM TYPE: Floppy disk
PRIOR APPLICATION DATA:
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STATE:
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CITY: Washington
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TOPOLOGY: lir
            CLASSIFICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
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Pred. No. 9.61e-40;
0; Mismatches 1
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Best Local S
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APPLICANT: SCHEIFLINGER, F.
APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61
                                                                                                                                                      ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
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                                                     CLASSIFICATION: 435
PRIOR APPLICATION NUMBER: 1
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                                                                                                                                                                                         COUNTRY:
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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                                 APPLICATION NUMBER:
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REFERENCE/DOCKET NUMBER:
                                             FILING DATE:
                                                                                                  APPLICATION NUMBER:
                                                                                                                                                                                                                        ADDRESSEE: Foley & Lardner STREET: 1800 Diagonal Road, Suite
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6.4%;
Similarity 98.8%;
83; Conservation
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                                                                                                                                                                                          USA
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12-MAY-1995
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                                 EP 91 114 300.6
                                                      US/07/935,313
                                                                                                  US/08/232,463
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Pred. No. 9.61e-40;
0; Mismatches 1
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Best Local Similarity 5.1%;
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Patent No. 5656725
                                                                                                                                                                                                                                                                                                                Sequence 19, Application US/08440391
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                                                               GENERAL INFORMATION:
APPLICANT: CHITTENDEN, Thomas D.; and
APPLICANT: LUTE, Robert J.
TITLE OF INVENTION: NOVEL PEPTIDES AND
TITLE OF INVENTION: MODULATE APOPTOSIS
NUMBER OF SEQUENCES: 34
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TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO: 1:
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LENGTH: 7218 base pairs
TYPE: nucleic acid
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IMMEDIATE SOURCE:
CLONE: pTZgpt-
                                                     CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30
TELECOMMUNICATION INFORMATION:
                                ADDRESSEE:
STREET: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GCCAGGTGACCCGCTTTGTGGTGGACTTCATGCTGCATCACTGCATTGCCCGGTGGATTG 1057
                                                                                                                                                                                                                                                                                           TTTGCCTTCTCTCCTTGCAGGGTCCCCCCTC 1271
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ZIP: 20004
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                    Washington
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                               E: Hale and Dorr
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                                                                                                                                                                                                                                               STANDARD; DNA; UNC; 45 BP
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Pred. No. 6.48e-15
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                                 Avenue,
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                                                                                       COMPOSITIONS WHICH
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                                                                                                                                                                                                                                                                                                                                                                                                                        PCT-US96-06122-19 STANDARD; DNA; UNC; 45 BP
                                                                                                                                                                                                                                                                                                                                           Sequence 19, Application PC/TUS9606122
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                                                                                                                                                                                                                                                                                                                                                                                         XXXXX
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Sequence 45 BP; 10 A; 15 C; 15 G; 5 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    763 GTGGGACGCAGCTCGCCATCATTGGGGACGACATCAACCGACGC 807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 202-942-8400
TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO: 1
                                                                                                                ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version

CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 10.
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                         TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GTGGGACGGCAGCTCGCCATCATCGGGGACGACATCAACCGACGC 45
          ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
                                                             CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
US 08/440,391
                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
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MEDIUM TYPE: Floppy disk
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STATE: D.
20004
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TYPE: nucleic acid
STRANDEDNESS: single
                                                       APPLICATION NUMBER: US 0 FILING DATE: 12-MAY-1995
                                                                                                   APPLICATION NUMBER: PCT/US96/06122 FILING DATE: HEREWITH
                                                                                                                                                                                                                CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/0
FILING DATE: 12-MAY-1995
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OPERATING SYSTEM: PC-DOS/MS-DOS
                                            CLASSIFICATION:
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REFERENCE/DOCKET NUMBER:
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Similarity 97.8%;
44; Conservative
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1455 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                               IMMUNOGEN, INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                                                                                                                                                                                                                                         NOVEL PEPTIDES AND COMPOSITIONS WHICH MODULATE APOPTOSIS
                                                                                                                                                                                                                                                                                   NOVEL
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Pred. No. 5
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 104322.147PCT
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Query Match 3.0%;
Best Local Similarity 100.0%;
Matches 39; Conservative
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Best Local Similarity 97.8%;
                                                                                     TELEFAX: 202-942-8484
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 39 base pairs
TYPE: nucleic acid
                                            TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
Sequence 39 BP; 11 A; 11 C; 11 G; 6 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-440-391-21 STANDARD; DNA; UNC; 39 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) Sequence 45 BP; 10 A; 15 C; 15 G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21, Application US/08440391: Patent No. 5656725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Patent No.
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                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,0
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                               SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440,391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS LENGTH: 45 base pairs TYPE: nucleic acid
                                                                                                                                                   TELEPHONE: 202-942-8400
                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: CHITTENDEN, Thomas D.; and APPLICANT: LUTZ, Robert J.
                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: NOVEL PEPTIDES AND COMPOSITIONS WHICH TITLE OF INVENTION: MODULATE APOPTOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                       STATE: D.C
STATE: D.C
TO: 20004
                                                                                                                                                                                                                                                                  COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Rolesson "."
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CLASSIFICATION: 435
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CITY: Washington
                                                                                STRANDEDNESS:
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1455 Pennsylvania Avenue, N.W
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Score 39; DB 7; I
Pred. No. 1.99e-10;
0; Mismatches (
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Pred. No. 5.69e-13;
0; Mismatches 1
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Best Local :
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INFORMATION FOR SEO ID NO: SEQUENCE CHARACTERISTICS:
LENGIH: 39 base pairs
TYPE: nucleic acid
01-JAN-1900
                                     US-08-238-163-5 STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 21, Applicat GENERAL INFORMATION:
                XXXXX
                                                                                                                            MOLECULE TYPE: DNA (genomic)
Sequence 39 BP; 11 A; 11 C; 11 G
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                                                                                                        Local
                                                                                1 GGGGACGACATCAACCGACGCTATGACTCAGAGTTCCAG 39
                                                                                                                                    MOLECULE TYPE:
                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 10.
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
APPLICATION NUMBER: PC
FILING DATE: HEREWITH
                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: IMMUNOGEN, INC.
TITLE OF INVENTION: WHICH MODULATE APOPTOSIS
                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/440,391
FILING DATE: 12-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                      STATE: U. 20004
                                                                  GGGGACGACCAACCGACGCTATGACTCAGAGTTCCAG
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                                                                                                                                                                                                                                                                                                    SOFTWARE: PatentIn Release #1.0, Version
                                                                                                                                                                                                                                                                                                                                                          CITY: Washington
                                                                                                                                                                                               TELEPHONE:
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                                                                                              3.0%;
Similarity 100.0%;
39; Conservation
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1455 Pennsylvania Avenue, N.W.
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                                     DNA; UNC;
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                                                                                                      Score 39; I
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Best Local :
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TELEPAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 5
SEQUIENCE CHARACTERISTICS:
LENGTH: 215 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc_feature
LOCATION: 1..215
OTHER INFORMATION: /standard_namer "Deduced amino
OTHER INFORMATION: sequence of PGIP from bean."
Sequence 215 BP; 15 A; 8 C; 25 G; 26 T; 141 other;
US-08-238-163-5 STANDARD; DNA; UNC; 215 BP
                                                                                                                                                                               1027
                                                                                      1086 GAACTIGGGCAATGGTCC-CATCCTGAACGTGCTGGTGGTTCTGGGTGT 1133
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                                                                                                                                                                                                                                                                    967
                                                                                                                               124 KTAMTSRNRTGKTANNAVDSRNMGDASVGSDKNTKKHAKNSADGKVGSK 172
                                                                                                                                                                                                               64 ANYNYGGNNYGAAKTHYYTHTNYSGADSKTYTDSYNASGTSSSNGGTDGNRSGADSYGSS 123
                                                                                                                                                                                                                                                                                                    4 VTMSSSSVVSRTASCNDKAKKDGNTTSSWTTDCCNRTWGVCDTDTTYRVNNDSGHNKYSS
                                                                                                                                                                                                                                                                                                                                             2.9%;
Local Similarity 16.0%;
ss 27; Conservation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: BASTISH, KEVIN L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 23
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC COMPATIBLE

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PATENTIN PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/238,163

FILING DATE: 03-MAY-1994

CLASSIFICATION: 800
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEA
NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: BENNETT, Alan
APPLICANT: LABAVITCH, Jol
APPLICANT: POWELL, Ann
                                                                                                                                                                                                                                                               ATCTACCAGCGTGGCCTGACTGGCTTCCTGGGCCAGGTGACCCGCTTTGTGGTGGACTTC
                                                                                                                                                                           ATGCTGCATCACTGCATTGCCCGGTGGATTGCACAGAGG-GGTGGCTGGCTGGCAGCCCT 1085
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IET: Steuart Street Tower, One Market Plaza
: San Francisco
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STOTZ, Henrik
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LABAVITCH, John
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     unknown
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Pred. No. 3.50e-09;
71; Mismatches 69
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US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP

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                                                                                           501
                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                     441
                                                                                                                                                                                                  621 CTGCTCCTCAGAAGCAGAGGGCAGGGCAGGCTCTCCGCACTCCTGGCAGGAGGACCTGG 562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 2307
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 543-9600
TELEFAX: (415) 543-5043
                                                               180 RYGTGTKSNVSNNCGGGNKRDVSSY 204
                                                                                                                    120 YGSSKTAMTSRNRTGKTANNAVDSRNMGDASVGSDKNTKKHAKNSADGKVGSKNNGDRNN 179
                                                                                                                                               561 GCCTTGCCCCGAAGCCATTTTTCAGGTCTCAGTGGAGGACGGGATCAGCCTGCCGGGATC 502
                                                                                                                                                                        61
                                                                                                                                                                                                                                                      7 Match 2.7%;
Local Similarity 11.2%;
nes 23; Conservative
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                            1 MTNVTMSSSSVVSRTASCNDKAKKDGNTTSSWTTDCCNRTWGVCDTDTTYRVNNDSGHNK 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 03-MAY-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL TITLE OF INVENTION: POLYGALACTURONASES AND THE NUMBER OF SEQUENCES: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE:
13
                                                                                                                                                                       YSSAN-YNYGGNNVGAAKTHYYTHTNVSGADSKTVTDSYNASGTSSSNGGTDGNRSGADS 119
                                                                                                                                                                                                                                                                                                        LOCATION: 1..215

OTHER INFORMATION: /standard_name= "Deduced am.
OTHER INFORMATION: sequence of PGIP from bean.
ence 215 BP; 15 A; 8 C; 25 G; 26 T; 141 other;
                                       CTGCTCCCAGGGGCTGAGTGGGAGC 417
                                                                                          CTGGCCCAACCCGGGTGGCTCAGCAGGGTGGAGATGGAGGTCCCGAGGGGCTGGCGGCTG 442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  CENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                H: 215 base pairs nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SSEE: Townsend and Townsend Khourie and Crew T: Steuart Street Tower, One Market Plaza San Francisco,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           POWELL, Ann
STOTZ, Henrik
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BENNETT, Alan
                                                                                                                                                                                                                                                                                                                                                                                                         unknown
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                                                                                                                                                                                                                                                                                                                                                                 misc_feature
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85; N
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Pred. No. 5.92e-08;
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Best Local Similarity
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                    PCT-US95-11934-92 STANDARD; DNA; UNC; 81
                                                                                  1421 YYYYYYYYYYYYYGTA 1437
                                                                                                                            Sequence 14, Application US/08232463
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                        104 TTGTTTTTACTTTTCATCTTTTTCAGTTCTATAACATTTGAATTTTTATTAAGTATATTT 45
                                                                                                                                                                                                                                                                             TELEFAX: (703)683-4109
TELEX: 899149
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: EP 91 114
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 3047
TELECOMMUNICATION INFORMATION:
                                                              44 CATGTATTGTCTCTATA 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: FALKNER, F. G.
TITLE OF INVENTION: RECOMBIN.
NUMBER OF SEQUENCES: 52
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
                                                                                                                                                                                                                                                                      SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
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ZIP: 22313-0299
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                                                                                                                                                                                                                                       STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
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                                                                                                                                                                                                                                                            LENGTH:
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                                                                                                                                                                                                                            linear
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Pred. No. 1.46e-05
52; Mismatches 2
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Best Local Similarity 13.2%;
Matches 10; Conservative
 Sequence 94, Application PC/TUS9511934
GENERAL INFORMATION:
APPLICANT: Cytogen Corporation
TITLE OF INVENTION: Antigen Bindin
TITLE OF INVENTION: Peptide Librar
                                                                                                                                                                                                                                                                                                                                                          STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
Sequence 81 BP; 3 A; 5 C; 6 G; 4 T; 63 other;
                                                                         Sequence 94, Application PC/TUS9511934
                                                                                                   01-JAN-1900
                                                                                                                          XXXXX
                                                                                                                                                            PCT-US95-11934-94 STANDARD; DNA; UNC; 74 BP
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                                                                                                                                                                                                                                                              885
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INFORMATION FOR SEQ ID NO: 92:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                     64 BNNBNNBNBNACGCC 79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PQ-DOS/MS-DOS
SOFTMARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/11934
FILING DATE: 20-SEP-1995
                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 110:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEPAX: (212) 869-9741/8864
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Cytogen Corporation
TITLE OF INVENTION: Antigen Binding Peptides (Abtides) From
TITLE OF INVENTION: Peptide Libraries
NUMBER OF SEQUENCES: 103
                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 81 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                             TGCCTCCAGCCTGTTTGAGAGTGGCATCAATTGGGGCCGTGTGGTGGCTCTTCTGGGCTT 944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
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STATE: New York
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Antigen Binding Peptides (Abtides) From Peptide Libraries
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Pred. No. 1.00e-02
20; Mismatches 4:
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Best Local (
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Sequence 74 BP; 3 A; 4 C; 3 G; 1
                                                                                            889 TCCAGCCTGTTTGAGAGTGGCATCAATTGGGGCCGTGTGGTGGCTCTTCTGGGCTTCAGC 948
                                                                                                                                                                                                                                                                          TELEFAX: (212) 869-97-
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION UNMBER: 1872
REFERENCE/DOCKET NUMBER: 1101
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
                                              949 TACCGTCTGGCC 960
                                                                                                                                          Y Match 1.9%;
Local Similarity 9.7%;
hes 7; Conservative
                                                                     61 NNBNNBNACGCC 72
                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 74 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                      TYPE: nucleic acid
TYPE: nucleic acid
Type: single
                                                                                                                                                                                                                  STRANDEDNESS:
TOPOLOGY: 11r
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 1155 A
CITY: New York
STATE: New Yor
                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: PCT/
FILING DATE: 20-SEP-1995
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                                                                                                                                                                                                                                                                                               : (212) 790-9090
(212) 869-9741/8864
                                                                                                                                                                                                                linear
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                                                                                                                                          Score 24; DB 14;
Pred. No. 1.19e-01;
20; Mismatches 45
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                                                                                                                                                                                                                                                                                                                                     1101-196-228
                                                                                                                                                                                         1 T; 63 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Version #1.30
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                                                                                                                                                                 Length 74
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Release 3.0.5AA John F. Collins, Biocomputing Research Unit. Copyright (c) 1993-1997 University of Edinburgh, U.K. Distribution rights by Oxford Molecular Ltd	
F. Collins, 97 Univer: rights by (
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MPsrch_nn n.a. - n.a. database search, using Smith-Waterman algorithm

May 7 00:07:44 1998; MasPar time 296.75 Seconds 960.555 Million cell updates/sec

Tabular output not generated.

Description: Perfect Score: 5408 >US-08-320-157-20 (1-5408) from US08320157.seq

N.A. Sequence: Comp:

Scoring table: TABLE default Gap 6

Nmatch STD : Dbase 0; Query 0

Searched: 102136 seqs, 26354296 bases × 2

Post-processing: Minimum Match 0% Listing first 45 summaries

Database:

n-issued 1:back1 2:51 3:52 4:53 5:54 6:55 7:56 8:57 9:PCT90 10:PCT91 11:PCT92 12:PCT93 13:PCT94 14:PCT95 15:PCT96

Statistics: Mean 10.105; Variance 5.656; scale 1.786

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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44 5	37 40 41	66666666666666666666666666666666666666	225 24 28 28	20 21 22 23
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19557 20303 26764	6769 8342 8392 8392 10627 19011	17041 17327 31571 35100 35100 35100	7452 8174 8174 8174 8174 11531	4823 4823 4823 5836
		6 12 12 7	13 10 6 8	14 13 14 7
	US-08-487- PCT-US94-0 PCT-US93-0 US-08-080- US-08-060- US-08-310-		PCT-US94-0 PCT-US91-0 US-07-914- US-08-393- US-08-068- US-08-442-	PCT-US95-1 PCT-US94-0 PCT-US95-0 US-08-380-
1,61	910000 62, 00		μ	Sequence 5, Sequence 28 Sequence 5, Sequence 1,
Applicatio Applicatio Applicatio	Applicati Applicatio Applicatio Applicatio Applicatio Applicatio Applicati	Application Applic	Applicatio Applicatio Applicatio Applicatio Applicatio Applicatio Applicatio	Applicatio , Applicati Applicatio Applicatio
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ALIGNMENTS

RESULT ID US US-08-321-071A-17 STANDARD; DNA; UNC; 1968 ВP

Sequence 17, Application US/08321071A Sequence 17, Application US/08321071A. 01-JAN-1900 XXXXXX

Patent No. 5672686 GENERAL INFORMATION: APPLICANT: CHITTE APPLICANT: CHITTENDEN, Thomas D.

TITLE OF INVENTION: APOPTOSIS RELATED PROTEIN Bcl-Y, AND METHODS
TITLE OF INVENTION: OF USE THEREOF
NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS: ADDRESSEE: E: Hale and Dorr 1455 Pennsylvania Avenue, N.W.

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, V6

CURRENT APPLICATION DATA: STATE: D.C. ZIP: 20004 STREET: 1455 Pent CITY: Washington

APPLICATION NUMBER: US/08/321,071A FILING DATE: 11-OCT-1994 CLASSIFICATION: 514 Version #1.25

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10103
FILING DATE: 09-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/287,427
FILING DATE: 09-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: WIXON, HENRY N.
REGISTRATION NUMBER: 32,073
REFERENCE/DOCKET NUMBER: 104322.121C:
TELECOMMUNICATION INFORMATION: 104322.121CIP

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Best Local S
Matches 178
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TELEPAX: 202-942-8484
INFORMATION FOR SEQ ID NO: 17
SEQUENCE CHARACTERISTICS:
LENGTH: 1968 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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|uence 1968 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                     CATCATCGGGGACGACATCAACCGACGCTATGACT-CAGAGTTCCAGACCATGTTGCAGC
                                                                                                                                                                                                                                                                                                           GCCCCTGCGTGGGGGCCAGTCAGGCTGCAGAGGCACCTCAACATTGCATGGTGCTAGTGG
                      GG-TCCCGGTTCAGACCCCTGCCTGGACTTAAGCGAAGTCTTTGCCTTTCTCTGTTCCCTT
                                                                                   TGTTGGGCCAGTTTGTGGTACGAAGATTCTTGAAATCATGACTCCCAAGGGTGCCCTTTG
                                                                                                                                                  CCCTACACGTCTACCAGCATGGCCTGACTGGCCTTCCTAGGCCAGGTGACCCGCTTCGTGG
                                                                                                                                                                                                              TTGAGAGTGGCATCAACCGGGGCCGTGTGGTGGCTCTCCTGGGCTTCGGCTACCGTCTGG
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                                                                                                                                                                                                                                                       ACCTGCAGCCCACGGCAGAGAATGCCTATGAGTACTTCACCAAGATTGCCACCAGCCTGT
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1784; Conser
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llarity 90.0%;
Conservative
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382 A; 560 C;
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Pred. No. 0.00e+00;
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                                              TGTGGGGGTGAGAGTACCTTCTCTATCGGGCACAGCCTAGGGTGTTGGGGGGTGAAGGGGG
                                                    TG-GGGGGTGACAGTGCCTTCTCTATTGGGCACAGCCTAGGGTCTTGGGGGTCAGGGGGG
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                        AGAAGTTCTTGATTCAGCCAAATGCAGGGAGGGAAGGCAGAAGGAGCCCACAGGCCACTC
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                                                                                                                                                                                                          Sequence 320 BP; 50 A; 97 C; 80 G; 93 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 5, Application US/08629939 Patent No. 5645995
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No.
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   187
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                                                                                            67
                                                                                                                                                                          Match 4.0%;
Local Similarity 88.3%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                      MOLECULE TYPE: HYPOTHETICAL:
                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 320 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08//
FILING DATE: 12-APRIL-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: KIT, Gordon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                         TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                    GCGTGATATCGGCTCAGTGCAACCTCCGGCCTCCAGGCTCAAGCGATTCTCCTGCCTCAG
                                                                                                                           TITTTTTTTTTTTTTTTGAGACGGAGTCTGGCTCTGTCGCCCAGGCTGGAGTGCAGTG 66
                                   CCTCCCAAGTAGCTGGGACTACAGGCGCCCGCCCACTACGCCCAGCTAATTTTTTGTATTT 186
                                                                                                                TTTATTTTTTCTTTTTTTGAGATGGAGTCTCGCTCTGTCGCC-AGGCTGGAGTGCAGTG 4986
TTAGTAGAGACGGGGTTTCACCGTTTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGA 246
                       CCTCCCGAGTAGCTGGGACTACAGGTGCCCGCCACCACCACCCAGCTAATTTTT-GTATTT
                                                                                         GCGGGATCTCGGCTCACTGCAAGCTCCGGCCTCCCGGGTTCACGCCATTCTCCTGCCTCAG 126
                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 30,764
REFERENCE/DOCKET NUMBER: A-6612
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                                                                                                                                                                                                                                                       STRANDEDNESS: single
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293-7860
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METHODS
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Pred. No. 9.40e-133;
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Avenue, N.W., Suite
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ID US-08-759-873-5 STANDARD;
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Matches 26
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                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: DNA HYPOTHETICAL: NO Sequence 320 BP; 50 A; 97 C;
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                                                                                                                                                                                                                                                                                 TELEFAX: (202) 293-7860
INFORMATION FOR SEQ ID NO: 5:
                                                                     67
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/759,873
FILING DATE: 12-APRIL-1996
CLASSIFICATION: 435
CLASSIFICATION: 435
                                                                                                                 7 TTTTTTTTTTTTTTTTTGAGACGGAGTCTGGCTCTGTCGCCCAGGCTGGAGTGCAGTG
                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: A-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 293-7060
                                                                                                                                                                                                                                                         SEQUENCE CHARACTERISTICS:
LENGTH: 320 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                          ATTORNEY/AGENT INFORMATION: NAME: KIT, Gordon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
           GCGGGATCTCGGCTCACTGCAAGCTCCGCCCTCCCGGGTTCACGCCATTCTCCTGCCTCAG
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                                            GCGTGATATCGGCTCAGTGCAACCTCCGCCTCCCAGGCTCAAGCGATTCTCCTGCCTCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Washington,
                                                                                                                                                                                                                                   STRANDEDNESS:
                                                                                                                                                                                                                                                TYPE: nucleic acid
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Similarity 88.3%;
265; Conservative
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                                                                                                                                                                                                                                     single
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                                                                                                                                       Score 215; DB 7; Length 320; Pred. No. 9.40e-133; O; Mismatches 32; Indels
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INFORMATION FOR SEQ ID NO: 43:
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                                                                                                                                 REFERENCE/DOCKET NUMBER: 20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
                                                                                                                                                                                                      APPLICATION NUMBER: 08/257,963
FILING DATE: 07-7UN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/952,796
                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/30
FILING DATE: 30-DEC-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Chader, Gerald J.; Becerra, Sofia
APPLICANT: Patricia; Schwartz, Joan P.;
APPLICANT: Taniwaki, Takayuki
TITLE OF INVENTION: PIGMENT EPITHELIUM
TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
                                                                                                    SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                   FILING DATE: 24-SEP-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
                                                   MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TTAGTAGAGATGGGGTTTCACCATGTTGGCCATGATGGTCTCAAACTCTTGACCTCATGA
                                                          STRANDEDNESS: Dour
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                                                                                                                                                              REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                         CLASSIFICATION:
                              NAME/KEY: P1-147
                                                                                                                                                                           NAME:
                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE:
                                                                                          LENGTH:
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DENTIFICATION METHOD:
THER INFORMATION: full length genomic
                                                                               Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                               New York
                                                                                                                                                                         DOROTHY R. AUTH
                                                                                                                                                                                                                                                                                                                                                                                                     New York
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                                                                                                                                                                                                                                                                                                                                                                                                                        345 Park Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                 Morgan & Finnegan, L.L.P.
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                                                   Genomic DNA
                                                                                                                                                                                                                                                                                                  UMBER: PCT/US95/07201
06-JUN-1995
                                                                                                                                                                                                                                                                                                                                                             Floppy Disk
                                                                      Double
                                                                                                                                                                                                                                                                    08/367,841
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Best Local S
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                                                                                                                                                                                                                                                                                                          Sequence 10,
                                                                                                                                                                                                                                                                                                                                                                      XXXXXX
         FILING DATE: 30-DEC-PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                   TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                             NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                  APPLICANT:
                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                             CITY: New York
STATE: New York
COUNTRY: USA
                                                           FILING DATE: 0 CLASSIFICATION:
                                                                              APPLICATION NUMBER:
                                                                                                                                                                                                      ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                h 4.0%;
Similarity 86.2%;
                                                                                                                                                     10154
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                                                                                                                                                                                             345 Park Avenue
                             30-DEC-1994
07-JUN-1994
                                                                     06-JUN-1995
                                                                                                                                                                                                                                             PIGMENT EPITHELIUM
DERIVED FACTOR: CHARACTERIZATION GENOMIC
                                                                                                                                                                                                                           3
         08/257,963
                                       08/367,841
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12880 TCACGAGGTCAGGAGATCGAGACCATCCTGGCTAACACGGTGAAAACCCCGTCTCTACTAA 12939
                                                                                                                                                   13000 CTGAGGCAGGAGAATGGCGTGAACCCGGGAGGTGGAGGTTGCAGTGAGCTGAGCTCGCAC 13059
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                                                                                                                                                                                                                                                      AAATACAAAAAATTAGCTGGGTGGGGGGGGGCGCCTGTAGTCCCAGCTACTCGGGAGG 12995
                                                                                                      CTGAGGCAGGAGAATCGCTTGAGCCTGGGAGGCGGAGGTTGCACTGAGCCGATATCACGC
                                                                                                                                                                                                     AAATACAAAAA-TTAGCTGGGTGTGGTGGCGGCACCTGTAGTCCCCAGCTACTCGGGAGG
                                                                                                                                                                                                                                                                                                           TCATGAGGTCAAGAGTTTGAGACCATCATGGCCAACATGGTGAAAACCCCATCTCTACTAA 4866
Score 215; DB 14; 1 Pred. No. 9.40e-133; 0; Mismatches 41;
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PCT-US95-07201-10 STANDARD; DNA; UNC; 7210

Sequence 10, Application PC/TUS9507201 GENERAL INFORMATION: Chader, Gerald J.; Becerra, Sofia Patricia; Schwartz, Joan P.; Taniwaki, Takayuki

Morgan & Finnegan, L.L.P. ORGANIZATION AND SEQUENCE OF THE PEDF GENE

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy lisk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: FORM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CORRENT APPLICATION DATA:
CORRENT APPLICATION DATA: PCT/US95/07201

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Query Match
Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4747 AGGCCGGGTGCAGTGGTTCACACCTGTAATCC-AGCACTTTGGGAGGCCAAGGCCAGGTGG 4805
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 15, Application US/07906871 Patent No. 5340739 GENERAL INFORMATION:
                                                                                                                                                                                                                                 US-07-906-871-15 STANDARD; DNA; UNC; 17327 BP
                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                             Sequence 15, Application US/07906871
                                                                                                                                                           01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 10:
APPLICANT: AVEAham,
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 7210 Base Pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IMMEDIATE SOURCE:
LIBRARY: DASH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 24-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
                                                    APPLICANT: Stevens,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: 7.0 kb Not 1-Not
OTHER INFORMATION: fragment; Derived from human placental
OTHER INFORMATION: genomic DNA; also referred to as JT106
OTHER INFORMATION: genomic DNA; 1592 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                   GCTGAGGCAGGATAATTGCTTGACCCCAGGAGGAGGTTGCAGTGAACCGAGATCACG 1809
                                                                                                                                                                                                                                                                                          ATCATGAGGTCAAGAGTTTGAGACCATCATGGCCAACATGGTGAAACCCCCATCTCTACT - 4864
                                                                                                                                                                                                                                                                                                                                                    GCTGAGGCAGGAGAATCGCTTGAGCCTGGGAGGCGGAGGTTGCACTGAGCCGATATCACG 4984
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Similarity 87.9%;
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                                          Avraham,
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             HEMATOPOIETIC CELL SPECIFIC TRANSCRIPTIONAL REGULATORY 1
                                          Richard L. Shalom
   THEREOF
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Pred. No. 4.77e-129;
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               REGULATORY ELEMENTS OF SERGLYCIN AND USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 7210;
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Best Local Similarity 86.8%;
   7637
                                                         7577
                                                                                                   7517 TAAAAAGTACTITCGGCCGGGTGTGGTGGTGCTCACCACCTGTAATCCCAGCACTTTGGGAGA 7576
                                                                                                                                                                                                 NAME/KEY: exon
LOCATION: 16397..1732
Sequence 17327 BP; 4936 A;
                                                                                    4734 TAAGAAATATTTGAGGCCGGGTGCAGTGGTTCACACCTGTAATCC-AGCACTTTGGGAGG 4792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: (202)833-871 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US
FILING DATE: 13-JUL-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/
FILING DATE: 13-JUL-1988
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION TOTAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 03 JAN 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/0:
FILING DATE: 18-JAN-1991
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/816,289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
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                                                                                                                                                                                                                                              LOCATION: FEATURE:
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                                                                                                                                                                                                                                                                                            FEATURE:
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NAME/KEY:
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 ACCCCATCCCTACTAAAAATACAAAAATTAGCTGGATATGATTGTGGGCACCTGTCATCC 7696
                                           CTGAGGCGGGTGGATCACCTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATGGTGAA 7636
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Sterne, Kessler, Goldstein & Fox STREET: 1225 Connecticut Avenue, N.W., Suite 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Cimbala, Michele A REGISTRATION NUMBER: 33,
                            CCAAGGCAGGTGGATCA--TGAGGTCAAGAGTTTGAGACCATCATGGCCAACATGGTGAA 4850
                                                                                                                                                                                                                                                                             NAME/KEY:
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                                                                                                                                                                                                                                                                                                                         NAME/KEY:
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                                                                                                                                            Conservative
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754..9596
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621..753
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9745..16396
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16397..17327
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9597..9744
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                                                                                                                                         Score 209; DB 4; L
Pred. No. 2.63e-128;
0; Mismatches 37:
                                                                                                                                                                                                   3607 C; 3739 G; 5045 T; 0 other;
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Matches

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RESULT ID US

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GENERAL INFORMATION:
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                     Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 10,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-JAN-1900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 XXXXXX
                                                                                     TELEX: 762829
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Fu, Ying-Hui
APPLICANT: Friedman, David L.
APPLICANT: Pizzuti, Antonio
APPLICANT: Fenwick, Raymond G.
TITLE OF INVENTION: Diagnosis of Myotonic Muscular Dystrophy
NUMBER OF SEQUENCES: 13
                                                                                                                                                                                                                                             COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/484,044
FILING DATE:
                                MOLECULE TYPE:
                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: 713/651-5325
TELEFAX: 713/651-5246
                                                                                                                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 19-FEB-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
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                                                                                                                                                                NAME: Paul, Thomas D. REGISTRATION NUMBER: 32,714
                                                                                                                                                                                                                                CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                   COUNTRY: U.S.A.
ZIP: 77010-3095
                                                                                                                                                                                                                                                                                                                                                                               STREET:
                                                      STRANDEDNESS:
                                                                                                                                                        REFERENCE/DOCKET NUMBER:
                                            TOPOLOGY:
                                                                            LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                 JLE TYPE: DNA (genomic)
11613 BP; 2284 A; 3317 C; 3604 G; 2408 T; 0 other;
                                                     H: 11613 base pairs nucleic acid DEDNESS: double
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5552282
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                                                                                                                                                                                                                                                                                                                                                                            1301 McKinney, Suite 5100
                                           linear
                                                                                                                                                                                                                                                                                                                                                                                        Fulbright & Jaworski, L.L.P.
3.8%; Score 205;
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DB
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Length 11613;
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Patent No. 5:
GENERAL INFO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-133-629-8 STANDARD; DNA; UNC; 282 BP
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               TELEX: 92-1742 EZEKIH
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                     APPLICATION NUMBER: US/08/133
FILING DATE: 07-OCT-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Greer, Helen
REGISTRATION NUMBER: M082
REFERENCE/DOCKET MUMBER: M082
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-720-3500
TELEPAX: 617-720-3441
                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                              APPLICANT: Munroe, David J.
APPLICANT: Housman, David E.
TITLE OF INVENTION: AMPLIFICATION OF NUCLEIC ACIDS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: n
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                                                                                                                                                                                                       COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                         COUNTRY: UI
ZIP: 02210
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       282 base pairs
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YO: 8:
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1, Application PC/TUS9610895
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         FILING DATE: 01-NOV-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Anderson, Kathryn A.
REGISTRATION NUMBER: 32,172
REFERENCE/DOCKET NUMBER: 2835
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         61 TCACCTGAGGTCAGGAGTTCAAGACCAGCCTGGCCAACATGGTGAAAACCCCGTCTCTACT 120
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Local Similarity 86.9%;
                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: Apple MacIntosh
OPERATING SYSTEM: Apple 7.5.2
SOFTWARE: Microsoft Word, Version 6.0.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/10895
FILING DATE: 25-JUN,-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Immunex Corporation.

TITLE OF INVENTION: Cytokine That Induces Apoptosis NUMBER OF SEQUENCES: 9
CORPRESSORVERS: 9
                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 08/496,632
FILING DATE: 29-JUN-1995
CLASSIFICATION:
CLASSIFICATION:
                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
TELECOMMUNICATION INFORMATION:
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                                                                                                        PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                             STATE: W
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                                                                            APPLICATION NUMBER: US 08/548,368 FILING DATE: 01-NOV-1995
                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Kathryn A. Anderson, STREET: 51 University Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           245;
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              2835-WO
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Best Local S
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                                                                                                                                                                      Sequence 83, Application PC/TUS9306251 GENERAL INFORMATION:
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LOCATION: 88..933
Sequence 1751 BP; 593 A; 361 C; 375 G; 422 T; 0 other;
                                                                                                                                                                                                                                                                                                      PCT-US93-06251-83 STANDARD; DNA; UNC; 4517
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TELEFAX: (206) 233-064
TELEX: 756822
INFORMATION FOR SEQ ID NO:
ZIP: 11530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 1751 base pairs
TYPE: nucleic acid
                                                                                                       NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
                                                                                                                                APPLICANT: Wickstrom, Eric and Rife, Jason P.
TITLE OF INVENTION: Trivalent Synthesis of Oligonucleotides Containing
TITLE OF INVENTION: Stereospecific Alkylphosphonates and Arylphosphonates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ANTI-SENSE: NO IMMEDIATE SOURCE: CLONE: huaic
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                           COUNTRY: US
ZIP: 11530
                                                                STREET: 400 Garder CITY: Garden City
                                                                                                                                                                                                                                                                                                                                                                                                               GAGGCAGGAGAATCGCTTGAGCCTGGGAGGCGGAGGTTGCACTGAGCCGATATCACGCCA
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                                                       STATE:
                                                                               ADDRESSEE: SCULLY, SCOTT, MURPHY & PRESSEF STREET: 400 Garden City Plaza
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l Similarity 83.8%;
253; Conservative
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Pred. No. 6.55e-121;
0; Mismatches 48; Indels 1
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Best Local Similarity 86.0%;
     Patent NO. JOSEPH PATENT NO. GENERAL INFORMATION: GENERAL INFORMATION: APPLICANT: DETMUR, J.
APPLICANT: WETMUR, J.
TITLE OF INVENTION: METHODS FOR DETERMINING SUSCEPTIBILITY TITLE OF INVENTION: TO LEAD POISONING
TITLE OF GEOGENCES: 6
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US-08-195-744-4 STANDARD; DNA; UNC; 6063 BP.
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                                                                                                             Sequence 4, Application US/08195744 Patent No. 5639607
                                                                                                                                                                                                                                                                                                                                 3456 T 3456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA (genomic)
Sequence 4517 BP; 1437 A; 784 C; 955 G; 1341 T; 0 other;
                                                                                                                                                    Sequence 4, Application US/08195744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 230 901 SANS.UR INFORMATION FOR SEQ ID NO: 83: SEQUENCE CHARACTERISTICS:
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: BRUMBAUGH, GRAVES, DONOHUE AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
TELEPHONE: 516-742-4343
TELEFAX: 516-742-4366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION: NAME: D1G1g110, Frank S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                            GCGTGATATCGGCTCAGTGCAACCTCCGCCTCCCAGGCTCAAGCGATTCTCCTGCCTCAG
                                                                                                                                                                                                                                                                                                                                                          TCCACCTGCCTTGGCCTCCCAAAGTGCTGG-ATTACAGGTGTGAACCACTGCACCCGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                          TTAGTAGAGACGCAGTTTCACCGTGTTAGCCAGGATGGTCTCGAGTCTCCTGACCTTGTGA 3395
                                                                                                                                                                                                                                                                                                                                                                                                                                                               CTCCCGAGTAGCTGGGACTACAGGTGCCCGCCACCACCCAGCTAATTTTT-GTATTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CCTCCCGAGTAGCTGGGACTACAGGTGCCCACCACCACGCCTGGCTAGTTTTTTGTATTT 3335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Patentin Polana ".
                                                                                                                                                                                                                                                                                                                                                                                  TCTGCCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGCGCCCAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: D1G1g110, Frank S.
REGISTRATION NUMBER: 31,346
REFERENCE/DOCKET NUMBER: 8586
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: POFILING DATE: 19930630 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nucleic acid
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Pred. No. 3.97e-123;
0; Mismatches 39;
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Matches
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TELEFAX: (212) 765-2519
TELEX: 238555
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                      4863
                                                                                                                                                                           1279
                                                                                                                                                                                                    4921
                                                                                                                                                                                                                                                                                                                                                       4744 TTGAGGCCGGGTGCAGTGGTTCACACCTGTAATCC-AGCACTTTGGGAGGCCAAGGCCAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE: GENE PRODUCT IS k-AMINO LEVULINATE DEHYDRATASE PUBLICATION INFORMATION: NONE Sequence 6063 BP; 1485 A; 1626 C; 1638 G; 1314 T; 0 other;
                                                                                                5040 ATAAA
                                                                                                                         1339 AAAAA 1343
                                                                                                                                                1219
                                                                                                                                                                                                                                                                                                      4803 TGGATCATGAGGTCAAGAGTTTGAGACCATCATGGCCAACATGGTGAAACCCCCATCTCTA 4862
                                                                                                                                                                                                                                                                                                                                                                                1039 TIGAGGCTGGGCACGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCAGG 1098
                                           PCT-US94-07926-33 STANDARD; DNA; UNC; 15328 BP
                                                                                                                                                                                                                                                                                                                              1099 CGGATCACGAGGTCAGGAGATCGAGACCATCCTGGCTAATATGGTGAAACCCTGTCTCTA 1158
                                                                                                                                                                                                                                                                                                                                                                                                         / Match 3.7%;
Local Similarity 85.9%;
hes 262; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY JOSENT INFORMATION:
NAME: CLARK, R., LEHNHARDT, S., DELSIGNORE,
REGISTRATION NUMBER: 26,154, 33,943, 32,689
REFERENCE/DOCKET NUMBER: 28490
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 408-2500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH 720 Kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLASSIFICATION: 435
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
                                                           12
                                                                                                                                                                       GGAGGCTGAGGCAGAATCGCTTGAGCCTGGGAGGCGGAGGTTGCACTGAGCCGATAT
                                                                                                                                                                                                                  GGAGGCTGAGGCAGGAGAATGGCGTGAACCCGGGAGGCGGAGCTTGCAGTGAGCCGAGAT 1278
                                                                                                                                                                                                                                                   CTAAAAATACAAA--AATTAGCTGGGTGTGGTGGCGGGCACCTGTAGTCCCAGCTACTCG
                                                                                                                                                                                                                                                                           CTAAAAACACAAAGAAATTAGCCAGGCGTGGTGGCGGGTGCCTGTAGTCCCAGCTACTTG 1218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: NUCLEIC ACID STRANDEDNESS: DOUB TOPOLOGY: LINEAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: COMPAQ 286e
OPERATING SYSTEM: DOS
SOFTWARE: WORDPERFECT 5.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
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ZIP: 10112
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                                                                                                5044
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NEW YORK
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Pred. No. 6.55e-121;
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Best Local :
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                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: cDNA
Sequence 15328 BP; 3885 A; 3789 C; 4082 G; 3572 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 33, Application PC/TUS9407926 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 33:
                                                                                                                                                                                                                                                                          Local
                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE:
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APPLICATION NUMBER: PC'
FILING DATE: 15-JUL-19:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Seilhamer, Jeffrey J.

TITLE OF INVENTION: Mammalian Phospholipase A2 Nucleotide
TITLE OF INVENTION: Sequences and Low Molecular Weight Amino Acid Sequences
TITLE OF INVENTION: Encoded Thereby, Antisense Sequences and Nucleotide
TITLE OF INVENTION: Sequences Having Internal Ribosome Binding Sites
NUMBER OF SEQUENCES: 44
                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 15328 base pai
                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: IN TELECOMMUNICATION INFORMATION: 305-527-2498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0
FILING DATE: 26-JUL-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 4:
CORRESPONDENCE ADDRESS:
AAATACAAAAAAATTAGCCGGGCGTGATGGTGGGCGCCTGTAGTCCCAGCTACTCGGGA 5875
                                                                                                                                                                     TCACGAGGTCAGGAGATCGAGACCATCCTGGCTAACACGGTGAAACCCCCGTCTCTACTAA 5815
                                                  TCATGAGGTCAAGAGTTTGAGACCATCATGGCCAACATGGTGAAAACCCCATCTCTACTAA 4866
                                                                                                                                                                                                            GGCCGGGTGCAGTGGTTCACACCTGTAATCC-AGCACTTTGGGAGGCCAAGGCAGGTGGA 4806
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
                                                                          GGCTGAGGCAGGAGAATGGCGTGAACCCGGGAGGCGGAGCTTGCAGTGAGCCGAGATTGC 5935
                                                                                                   AAATACAAAAA---TTAGCTGGGTGTGGTGGCGGCCACCTGTAGTCCCCAGCTACTCGGGA 4923
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Manso, Peter J. REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Russell PA
                                                                                                                                                                                                                                                                                                                                                      STRANDEDNESS:
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                                                                                                                                                                                                                                                               267;
                                                                                                                                                                                                                                                                       3.7%;
Similarity 86.1%;
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                                                                                                                                                                                                                                                                                                                                                                 1: 15328 base pairs nucleic acid
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                                                                                                                                                                                                                                                                                                                                           linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Floppy disk
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                                                                                                                                                                                                                                                                                                                                                    single
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                                                                                                                                                                                                                                                                         Score 199; DB 13; Pred. No. 6.55e-121;
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                                                                                                                                                                                                                                                                                    Length 15328;
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RESULT
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Query Match
Best Local Similarity
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                                  Sequence 22481
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                                                                                                                                                                                          NAME: DONULAL 36434
REGISTRATION NUMBER: 2026
REFERENCE/DOCKET NUMBER: 2026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEPHONE: (212) 758-480
                                                                                                                                                            TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 22481 Base Pairs
                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/367,841
FILING DATE: 30-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/257,963
FILING DATE: 07-JUN-1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Chader, Gerald J.; Becerra, Sofia
APPLICANT: Patricia; Schwartz, Joan P.;
APPLICANT: Taniwaki, Takayuki
TITLE OF INVENTION: PIGMENT EPITHELIUM
TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GEN
                                                                                        FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                           APPLICATION NUMBER: 07/9:
FILING DATE: 24-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
                                                                                                                  MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13
                           IDENTIFICATION METHOD:
OTHER INFORMATION: full length genomic
OTHER INFORMATION: sequence for PEDF plus flanking sequences.
OTHER INFORMATION: sequence for PEDF plus flanking sequences.
                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 0
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER: IBM PC Compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WORDPERFECT 5.1
                                                                                                                             TOPOLOGY: Un
                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER:
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                                                                                 LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New York
: New York
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                                                                                                                                                     Nucleic Acid
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                                                                                            P1-147
                                                                                                                             Unknown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Floppy Disk
                                                                                                                  Genomic DNA
 3.7%;
87.2%;
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                                                                                                                                         Double
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Score 202; DB 14;
Pred. No. 3.97e-123;
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           Length 22481
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Matches

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RESULT 14
ID US-08-323-443B-1 STANDARD; DNA; UNC; 31571 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1, Application US/08323443B
                                                                                                                                                                                                   ZIP: 10022

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ver:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/323,443B
FILING DATE: 12-CCT-1994
                                                                  TELEFAX: (212) 753-6237 INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
                                                                             ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, S. Peter
REGISTRATION NUMBER: 25,351
REFERENCE/DOCKET NUMBER: 0372
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEPAX: (212) 753-6237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                  SEQUENCE CHARACTERISTICS:
LENGTH: 31571 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                                                                            STATE: N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITITITITITITAGAGATGGAGTCTTGCTCTGTTGCCCAGCCTGGAGTGCAGTGGCGC 9572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACCTGCCTTGGCCTCCCAAAGTGCTGG-ATTACAGGTGTGAACCACTGCACCCGGCCT 4747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACCCGCCTCGGCCTCTCAAAGTGCTGGGATTACAGGTTTGAGCCACTGCGCCTGGCCT 9810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CCAAGTAGCTGGGATTACAGGCATGCGCCACCACACCCGGCTAATTTTTTGTATTTTTTAGT 9692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GATCTCAGCTCACTGCAACCTCCACTTCCTGGATTCAAGTGATTCTCCTGCCTTAGCCTC 9632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CCGAGTAGCTGGGACTACAGGTGCCCGCCACCACCCAGCTAATTTTTTGTATTTTAGT
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      STRANDEDNESS:
                                                                                                                                                                                          CLASSIFICATION:
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STREET: 805 Third Avenue
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CONNORS, TIMOTHY D.
DACKOWSKI, WILLIAM F
GERMINO, GREGORY
                                                                                                                                                                                                                                                                                                                                            USA
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LANDES, GREGORY M.
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                                                                                                                                                                                                                                                 Release #1.0, Version
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Best Local S
Matches 25
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                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 3, Application US/08157171 Patent No. 5736323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-157-171-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLONE: PRD1 GENOMIC Sequence 31571 BP; 5045 A; 9978 C; 9794 G; 6705 T; 49 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 3, Application US/08157171
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APPLICANT: Soubri
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MOLECULE TYPE: DNA (genomi
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
                                                                              ZIP: 55402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release $1.0, Version
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
                                                                                                                                                                                                   STREET: YU CCITY: Minneapolis
CITY: MN
CTATE: MN
                                                                                                                                                                                                                                                                                                      APPLICANT: Hubert, Christine APPLICANT: COTVOI, Pierre TITLE OF INVENTION: Agents at TITLE OF INVENTION: the Genet TITLE OF INVENTION: Enzyme
                 ATTORNEY/AGENT INFORMATION: NAME: Hillson, Randall A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15
                                            FILING DATE: 24-JAN-
CLASSIFICATION: 435
                                                                                                                                                                                     COUNTRY: U
ZIP: 55402
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NAME: Hillson, Randall REGISTRATION NUMBER: 3
                                                                           APPLICATION NUMBER: US/08/157,171
                                                                                                                                                                                                                                                               ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    h 3.7%;
Similarity 86.7%;
254; Conservative
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90 South 7th Street,
                                                                                                                                                                                                                                                                                                                                                                                    Soubrier, Florent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STANDARD; DNA; UNC; 1856 BP
                                                          24-JAN-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DNA (genomic)
                                                                                                                                                                                                                                                                                             Enzyme: 8
                                                                                                                                                                                                                                                                                                                      Agents and Procedures for the the Genetic Polymorphism of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 200; DB 7; L
Pred. No. 1.19e-121;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches 36;
                                                                                                                                                                                                                                              3100 No. 5736323west Center
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the Angiotensin I Converting
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Search completed: Thu May Job time: 304 secs.
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TELEPHONE: 612-332-5300
TELEPHONE: 612-332-5300
TELEPAX: 612-332-9081
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1856 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
C TYPE: DNA (genomic)
TMMEDIATE SOURCE:
C CLONE: Intron 16 of human angiotension converting
C CLONE: enzyme (ACE) gene
C CLONE: enzyme (ACE) gene
Sequence 1856 BP; 403 A; 546 C; 483 G; 424 T; 0 other;
                                                                                                                                                                                                                                                                                             Query Match 3.6%; Score 192; DB 8; Length 1856; Best Local Similarity 87.9%; Pred. No. 9.61e-116; Matches 246; Conservative 0; Mismatches 30; Indels 4; Gaps 4;
                                               1521 GATCTCGGCTCACTGCAACGTCCGCCTCCCGGGTTCACGCCATTCTCCTGCCTCAGCCTC 1580
                                                                                                                                                                                                                                              4981 GATATCGGCTCAGTGCAACCTCCGCCTCCCAGGCTCAAGCGATTCTCCTGCCTCAGCCTC 4922
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